

81799

From: Monshipouri, Maryam
Sent: Friday, December 06, 2002 11:15 AM
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Subject: case #09/779,323

Please search and interference search SEQ ID NO: 1-2.
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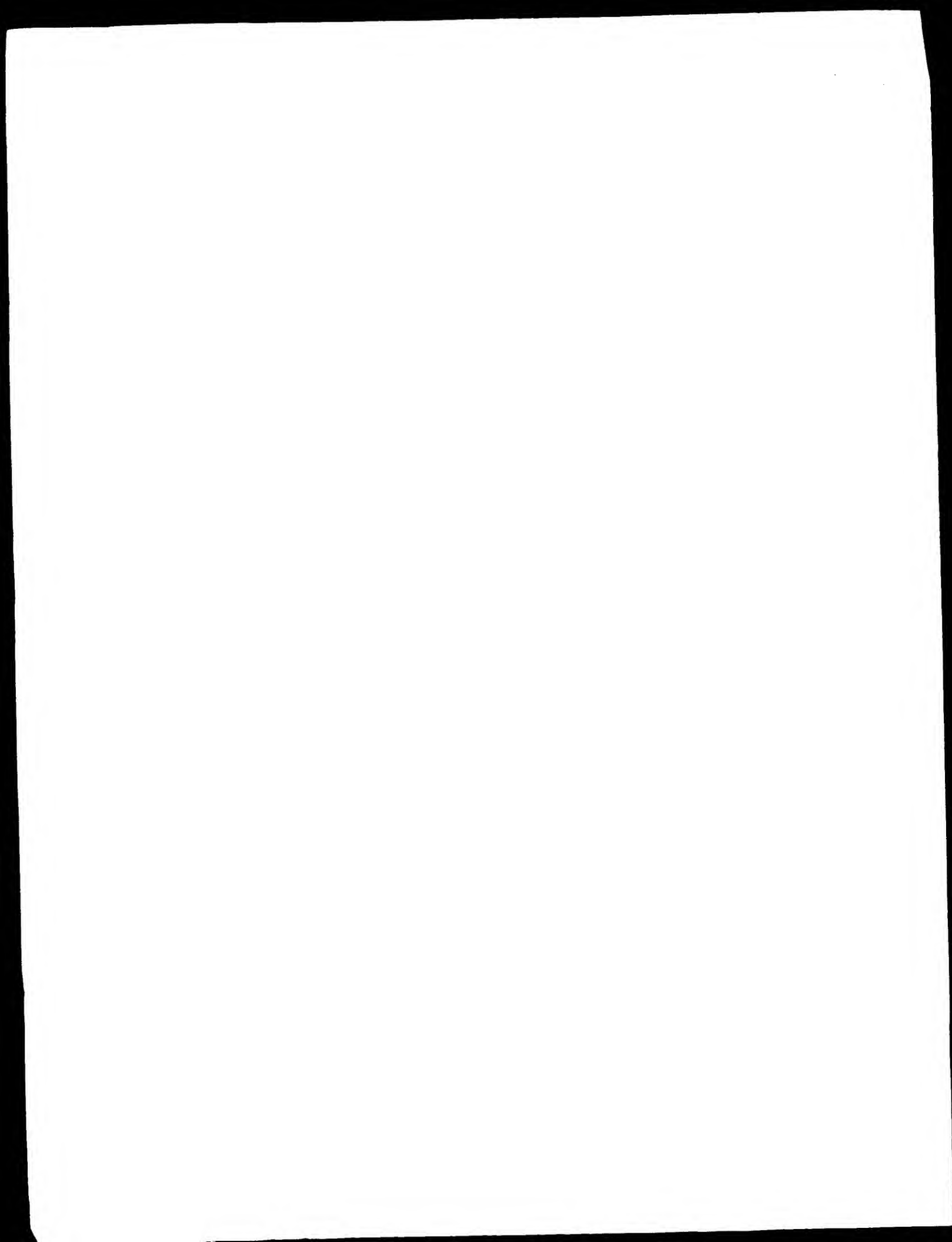
Maryam Monshipouri Ph.D.
Primary Examiner
Art Unit 1652
Mail box No. 10D01

Mary Jane Ruhl
Tech. Info. Specialist, STIC
TC-1600
DM-1, Room 6A-06
Phone: 605-1155

Location: _____
Date Picked Up: _____
Date Completed: _____
Searcher Prep/Review: _____
Clerical: _____
Online time: _____

Sequence: _____
Structures: _____
Bibliographic: _____
Litigation: _____
Full text: _____
Patent Family: _____
Other: _____

Search: _____
Questel/Orbit: _____
DRLink: _____
Lexis/Nexis: _____
Sequence Sys.: _____
WWW/Internet: _____
Other (specify): _____



11 104.5 10.4 35.4 22 AAW2007
12 105.5 11.5 25.4 25 AAW1907
13 106.5 12.5 25.4 25 AAW1907
14 107.5 13.5 25.4 25 AAW1907
15 108.5 14.5 25.4 25 AAW1907
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21 114.5 20.5 25.4 25 AAW1907
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28 121.5 27.5 25.4 25 AAW1907
29 122.5 28.5 25.4 25 AAW1907
30 123.5 29.5 25.4 25 AAW1907
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33 126.5 32.5 25.4 25 AAW1907
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41 134.5 40.5 25.4 25 AAW1907
42 135.5 41.5 25.4 25 AAW1907
43 136.5 42.5 25.4 25 AAW1907
44 137.5 43.5 25.4 25 AAW1907
45 138.5 44.5 25.4 25 AAW1907

TABLE N.5

RESULT 1
AAW2007
11 AAW2007 standard, 100.0% 100.0%
12 AAW2007
13 AAW2007
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42 AAW2007
43 AAW2007
44 AAW2007
45 AAW2007

11 104.5 10.4 35.4 22 AAW2007
12 105.5 11.5 25.4 25 AAW1907
13 106.5 12.5 25.4 25 AAW1907
14 107.5 13.5 25.4 25 AAW1907
15 108.5 14.5 25.4 25 AAW1907
16 109.5 15.5 25.4 25 AAW1907
17 110.5 16.5 25.4 25 AAW1907
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19 112.5 18.5 25.4 25 AAW1907
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23 116.5 22.5 25.4 25 AAW1907
24 117.5 23.5 25.4 25 AAW1907
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26 119.5 25.5 25.4 25 AAW1907
27 120.5 26.5 25.4 25 AAW1907
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29 122.5 28.5 25.4 25 AAW1907
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43 136.5 42.5 25.4 25 AAW1907
44 137.5 43.5 25.4 25 AAW1907
45 138.5 44.5 25.4 25 AAW1907

AAW2007
11 AAW2007 standard, 100.0% 100.0%
12 AAW2007
13 AAW2007
14 AAW2007
15 AAW2007
16 AAW2007
17 AAW2007
18 AAW2007
19 AAW2007
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45 AAW2007

us-09-779-323-1.1.rag

Mon Dec 9 12:39:13 2002

PS claim 14; Page 21 22: 27pp; English.

XX this sequence represents a novel proteolytic protein isolated from

CC Necardioopsis sp. strain NRRL 14262. This protein may be used in

CC for animal feed compositions or wash liquids comprising specifically

CC for animal feed compositions or wash liquids comprising specifically

CC for animal feed compositions or wash liquids comprising specifically

XX Sequence: 188 AA:

Query Match: 100.0%; Score: 1005; ID: 22; Length: 188.

Best Local Similarity: 100.0%; Prod. No.: 7.6e-76;

Matches: 188; Conservation: 0; Mismatches: 0; Indels: 0; Gaps: 0;

QY 1 ADIIGGLAVTMSKSGVFAAATNAAGQPGVTAAGHGRGVTVQVINGRQVFPQSVEPCN 60

Db 1 ADIIGGLAVTMSKSGVFAAATNAAGQPGVTAAGHGRGVTVQVINGRQVFPQSVEPCN 60

QY 61 DAAPVRSSTNFTLNILVSKNTGATTAASRNGATIGSSVPSSTGWHGCTTQARGQS 120

Db 61 DAAPVRSSTNFTLNILVSKNTGATTAASRNGATIGSSVPSSTGWHGCTTQARGQS 120

QY 121 VSYEGTIVNMTTWTACPGHSGNSYISGTQAGCVISGNSNPKIGSTTFYQVFTHMVN 180

Db 121 VSYEGTIVNMTTWTACPGHSGNSYISGTQAGCVISGNSNPKIGSTTFYQVFTHMVN 180

QY 181 SWGVRLK 188

Db 181 SWGVRLK 188

RESULT 2

AA007125

ID AA007125 standard; Protein: 188 AA

XX

AC AA007125:

QY 24 OCT 2001 (first entry)

XX

DE Necardioopsis sp. acid-stable protease.

XX

XX Acid-stable protease; animal feed; nutrition; monogastric animal;

KW ruminant.

XX

OS Necardioopsis sp. NRRL 14262.

XX

PN W0200108276 AZ.

XX

PL 14 ADI 2001.

XX

PF 05 FEB 2001: 2001001 PRO1154.

XX

PE 06 FEB 2000: 200000K-0000200.

XX

PA (BEE) BOFFMANN LA BEAUF 4.00 AG F

XX

PL Necardioopsis sp. 5) (Bee) (C)

XX

XX WPI: 2001-488940/54.

XX

XX use of acid stable protease for producing a food composition

XX

PS claim 1: Page 48; 49pp; English.

XX

XX The invention relates to the use of at least one acid stable protease in

CC animal feed, to improve its nutritional value and in the treatment

CC of vegetable proteins. The feed composition is useful for feeding

CC animals, including humans, ruminants and non ruminants i.e. monogastric

CC animals (e.g. pigs) poultry and fish. The stomach of monogastric animals

CC and many fish exhibit a strongly acid pH, however, most protein digestion

CC occurs in the small intestine. Provided is a feed composition which

CC comprises an acid stable protease that can survive passage through the

CC stomach. The present sequence is an acid stable protease from

CC Necardioopsis sp. NRRL 14262.

XX Sequence: 188 AA:

Query Match: 100.0%; Score: 1005; ID: 22; Length: 188.

Best Local Similarity: 100.0%; Prod. No.: 7.6e-76;

Matches: 188; Conservation: 0; Mismatches: 0; Indels: 0; Gaps: 0;

QY 1 ADIIGGLAVTMSKSGVFAAATNAAGQPGVTAAGHGRGVTVQVINGRQVFPQSVEPCN 60

Db 1 ADIIGGLAVTMSKSGVFAAATNAAGQPGVTAAGHGRGVTVQVINGRQVFPQSVEPCN 60

QY 61 DAAPVRSSTNFTLNILVSKNTGATTAASRNGATIGSSVPSSTGWHGCTTQARGQS 120

Db 61 DAAPVRSSTNFTLNILVSKNTGATTAASRNGATIGSSVPSSTGWHGCTTQARGQS 120

QY 121 VSYEGTIVNMTTWTACPGHSGNSYISGTQAGCVISGNSNPKIGSTTFYQVFTHMVN 180

Db 121 VSYEGTIVNMTTWTACPGHSGNSYISGTQAGCVISGNSNPKIGSTTFYQVFTHMVN 180

QY 181 SWGVRLK 188

Db 181 SWGVRLK 188

RESULT 3

AA044141

ID AA044141 standard; Protein: 475 AA.

XX

AC AA044141:

QY 05 MAY 1998 (first entry)

XX

DE Thermostable alkaline protease.

XX

KW Thermostable alkaline protease; detergent additive; food; phos-

KW food additive; nutraceutical; pharmaceutical.

XX

OS Thermomonaspora fusa.

XX

XX Key: Location/Qualifiers

FT peptide

FT 1-181

FT Zlabel: Signal

FT 182..475

FT Zlabel: Thermostable alkaline protease.

FT Misc-differences: 143

FT /note: "Gln encoded by GAT"

XX

PN Q55705374-A.

XX

PP 06 JAN 1998.

XX

XX 23-OCT-1996: 960S-0736361

XX

XX 23-OCT-1996: 960S-0736361

XX

XX (CUBR) GARNELL PES FOUND INC.

XX

XX Lao G. Wilson DB:

XX

XX WPI: 1998 086142/08.

XX

XX N ESB: AAV12149.

XX

XX DNA used in production of recombinant alkaline protease - encoding

XX recombinant thermostable alkaline protease of Thermomonaspora fusa

XX claim 4: Column 17 20; 14pp; English.

XX

XX The present sequence represents a thermostable alkaline protease from

CC Thermomonaspora fusa. The DNA encoding the protein is used for

CC producing the recombinant alkaline protease by a method comprising

CC culturing the cells and recovering protein from the culture medium.

CC Alkaline proteases are used as detergent additives, for clarifying

CC fruit juices, for preparing protein hydrolysates for use as food

xx The sequence also shows a mutant of the lysodactyl alpha lytic
xx protease including the prepropeptide sequence, the mutations
xx produce an alkaline setting protease having improved proteolytic
xx activity towards problematic material, being stable over wide pH
xx and temp. ranges and showing improved stability to oxidising agents.
xx Compounds, cont'd, such as Alp in conjunction with a surfactant are
xx useful as detergents, pre-soaks and esp. for dishwasher detergents.
xx Sequence 497 AA;

[illegible]

4781116
AAAP04147

XX	AA094147;
XX	Ac
XX	07 JUN 1993 (first entry)
XX	Signal peptide-propeptide-protease A fusion protein.
XX	De
XX	Signal peptide: signal peptide: protease A: fusion protein: propeptide
XX	protease A: signal peptide: SpA: fusion protein: propeptide
XX	33 constructs of fusions.

XX					
FH	K ⁶⁷	Local non/quadrupoles			
F1	popt ide	1-48			
F1	/label	/signal peptide			
F1	popt ide	49-116			
F1	/label	/peptide			
F1	popt ide	117-297			
F1	/label	/protease A			
XX					
FN	E3-60446-A.				
XX					
F5	ZC-JAN 1987.				
XX					
F4	ZS-BUL 1988:	88EP-0111714.			
XX					
F9	ZI-JUL-1987:	87CA-954267B.			
XX					
FA	(CAN)-) CANGENE Corp.				
XX	Gurvin ET., Henderson G., Kyrasman P.	Liu CH, Darcy C, Wolk LT,			
XX	RUI.; 1987-02653/04.				
FR	N-GSGK-AAN51D65.				

OR N USDR: AAN94167.
XX
XX Genes for protease A and protease B from *Chlamydomonas reinhardtii* used for
p1 expressing fusion proteins where protease B is expressed in heterologous form
p1
XX
XX Targetsource : 26p; English
PS
XX

The sequence is expressed by a recombinant DNA method, complemented with a signal sequence, and a gene sequence, together encoding a fusion protein with a signal peptide/protease A.

XX	ISQ	Sequence	247 AA	Identity	247/2	Identity	XX
		Query Match	45.8%	Score: 560	138	122	
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		Best Local Similarity	24	Mismatches	116	113	
		24	Insertions				

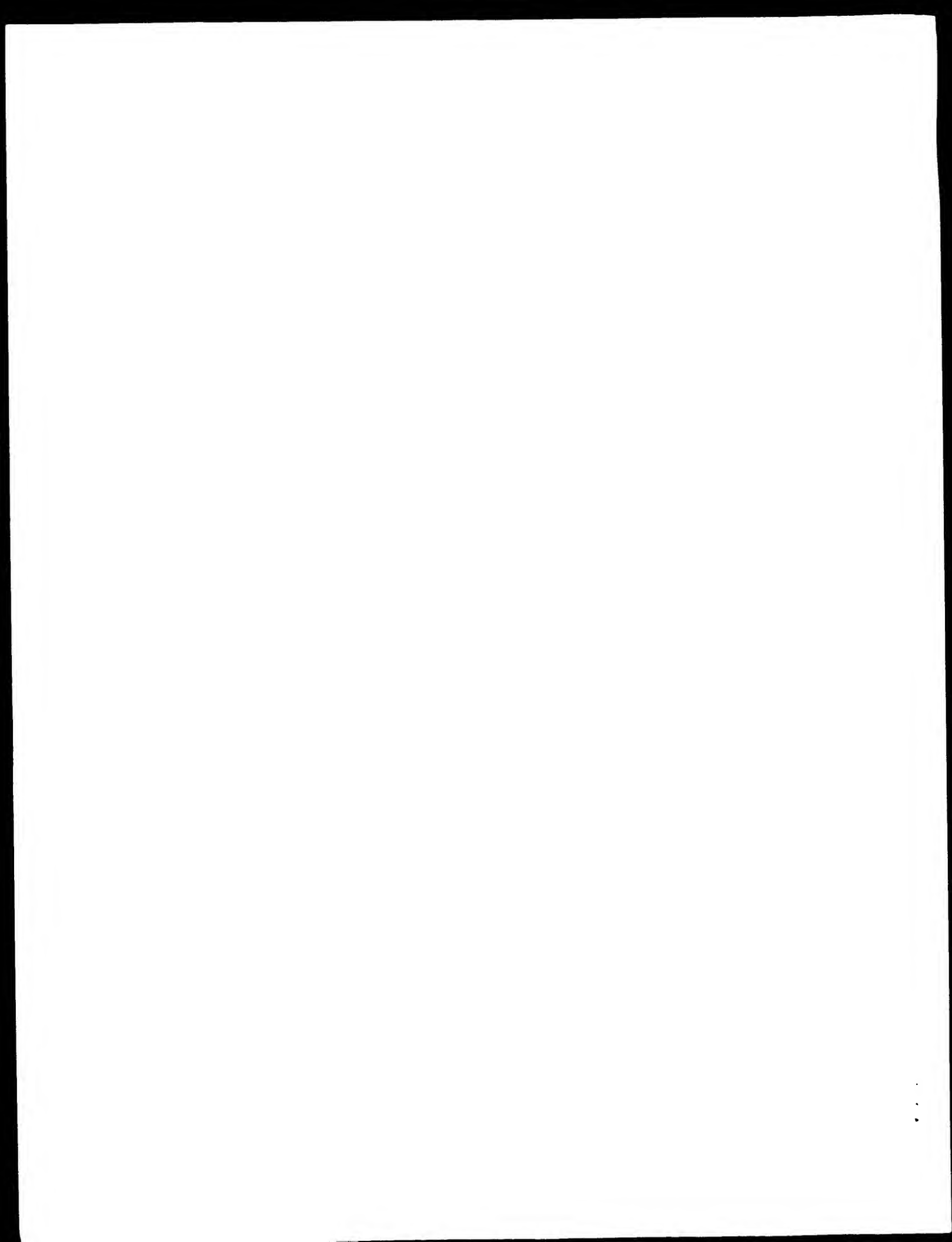
[illegible]

RESEARCH /

XX	AA1994148;
AC	
XX	
XX	07 JUN 1990 (first entry)
DT	
XX	
DE	Signal peptide: propeptide: proenzyme B: fusion protein
XX	
XX	Proenzyme B; signal peptide; spray; fusion protein; propeptide—
KW	
XX	signal: enzyme: at: tissues;

XX	Key	Location/Qualifiers
XX	Peptide	1-38
XX	Peptide	/Label signal peptide
XX	Peptide	59-114
XX	Peptide	/Label propeptide
XX	Protein	115-299
XX	Protein	/Label Procrus B
XX	Protein	EF60466 A.
XX	Protein	25 JAN 1989.
XX	Protein	20-10L-1988
XX	Protein	REF 011714.
XX	Protein	21-10L 1987
XX	Protein	87GA-0542678.
XX	Protein	(CANG) CARLINE GEP.
XX	Protein	Garvin RT, Henderson G, Kiyasman P, Liu C-H, Parry G, Matlock LL.
XX	Protein	WP1: 1439, 02599704.
XX	Protein	0509, 0A091184.

DR NUSBAUM, AARON L. 1994.
 XX Genes for protease A and protease B from *Serratia* species are closely related
 pt to each other. The amino acid sequence of protease A is expressed in form of a fusion
 pt expressing fusion proteins where protease B is expressed in form of a fusion protein.
 XX
 XX Bibliosources : 26pp; English.
 ps
 ps The sequences is expressed by a recombinant DNA method consisting of a hybrid
 cc the sequences is expressed by a recombinant DNA method consisting of a hybrid
 cc sequence, and a gene sequence, together encoding a fusion protein.
 cc signal peptide-protease B.
 cc



APPLICANT: YAREL, Yoram-David
 ADDRESS: 3601, Poles
 APPLICANT: YAREL, Yoram-David
 APPLICANT: YAREL, Yoram-David
 APPLICANT: YAREL, Yoram-David
 TITLE OF INVENTION: Antigen of Haemophilus B and / Protein with
 ability to induce B cells
 NUMBER OF SEQUENCES: 23
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Sim & McBurney
 STREET: Suite 701, 360 University Avenue
 CITY: Toronto
 STATE: Ontario
 COUNTRY: Canada

COUNTRY: Canada
ZALO: M56 187
AUTHOR: BAZARAK, JENNIFER
RESOLV TYPE: ELEC 4384
SUBJECT: IBM PC compatible
ABSTRACTING: IBM PC COMPATIBLES
SOFTWARE: Patent in Release #1.0. Version #1.2
CURRENT APPLICATION DATA:
APPLICANT: IBM Corp. 978,001
FILING DATE: 21-JUL-1994

CLASSIFICATION: 435
 AGENCY/AGENT INFORMATION:
 NAME: SLODIT, Michael I
 REGISTRATION NUMBER: 24-974
 IDENTIFICATION NUMBER: 1030 471
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (416) 595-1156
 TELEFAX: (416) 545-1363
 INFORMATION FOR SEQ ID NO: 16:
 OTHER CHARACTERISTICS:

LENGTH	198 amino acids	60,948	470.5	406.1	Length
TYPE	amino acid	Protein	Protein	Protein	
SYNTHESIS	Simple	4,259	2,662.7	Indoles	19
TOPOLOGY	Linear	81	Microches	6.7	
B. 279-091-16					

[illegible]

PLATE 4
DH-483 859, 16.
Jewelry. 107. Approx. ad. 1000. 11/2/2014 0859

about No. 5656436.
 NAME OF THE INVENTOR: LOOSEMORE, Sherman M.
 APPLICANT: LOOSEMORE, Sherman M.
 ADDRESS: VAN, Van-Ping
 APPLICANT: CHONG, Dole
 ADDRESS: CHEN, Raymond P.
 APPLICANT: KLEIN, Michael H.
 TITLE OF INVENTION: Analogs of Haemophilus Hind *I* Protein with
 Loss of Nucleic Acid Binding Activity
 NUMBER OF SEQUENCES: 23

CORRESPONDENCE ADDRESS:

[illegible][illegible]
$$\begin{aligned} \text{S}_{\text{SOL}}(\text{r}^{\text{th}}_{\text{SOL}}(\text{comp}))(\text{set}, \text{set}) &:: \text{List}(\text{Set}(\text{Component})) \\ \text{r}^{\text{th}}_{\text{SOL}}(\text{comp}) &:: \text{List}(\text{Set}(\text{Set}(\text{Component}))) \end{aligned}$$

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09      169  TFFQCEVTIMNSWVRKRI 188
10      :   :   :   :   :   :   :
11      176  SSLEFLQPIISQVGLSLVI 197
12      :   :   :   :   :   :   :
13
RESULT 15
US-09 106 467 16
Sequence 16, App Locat from US/09/106467
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```

1  APPLICANT:  L'ESMORRE, Steven M.
2  APPLICANT:  YAN, Yan-Ping
3  APPLICANT:  CHONG, Joe
4  APPLICANT:  SMITH, Raymond P.
5  APPLICANT:  KLEIN, Michael H.
6  TITLE OF INVENTION:  ANALOG OF HEMOPHILUS HIN47 WITH REDUCED
7  TITLE OF INVENTION:  PROTEASE ACTIVITY
8  NUMBER OF CLAIMS:  2

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STREET: 6th Floor, 340 University Avenue
CITY: Toronto
STATE: Ontario
COUNTRY: Canada
ZIP: M5S 1A7
CARRIER: AVAILABLE FROM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible

CURRENT APPLICATION DATA:
 APPLICATION NUMBER: 22/32,406, 16.2
 FILING DATE:
 CLASSIFICATION:
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: 22/32,406, 16.271
 FILING DATE: 20-JUN-1994
 CLASSIFICATION:

NAME: STOWART MILLER
PASSPORT NUMBER: 24-974
RETURN/EXP. DATE: 10-08-924
FIELD IDENTIFICATION NUMBER: 1155
TELEPHONE: 016-595-1155
TELEFAX: 016-595-1154
INFORMATION SOURCE NO.: 162
SOURCE CATEGORIES:
SOURCE RELATIONSHIP:

STRANDEDNESS: STODOL

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2	PRIOR FILING DATE: 1998-04-29
3	PRIOR APPLICATION NUMBER: 60/085559
4	PRIOR FILING DATE: 1998-04-29
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 59 PRIOR FILING DATE: 1998-06-10
 60 PRIOR APPLICATION NUMBER: 60/06488361



01 1. CATALYTIC ACTIVITY: Hydrolysis of proteins with specificity
 02 similar to chymotrypsin.
 03 1. SUBUNIT: MONOMER.
 04 1. SIMILARITY: BELONGS TO PEPTIDASE FAMILY S2A.
 05
 06 This Swiss-prot entry is copyrighted. It is released through a collaboration
 07 between the Swiss Institute of Bioinformatics and the EMBL outstation.
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 11 entities requires a license agreement. Please contact EBI, EMBL or SIB
 12 or send an email to license@sib-switzerland.ch
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APPENDIX

RESULT 1

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DI 01-NOV-1996 (ITEM5555A: 01, 1st seq, update)
DI 01-MAR-2002 (ITEM5555A: 20, 1st seq, update)
DE Alkaline sulfate protease 11
GN SAP11
OS Streptomyces sp.
ac' bacterial: Fungal prod; Actinobacteria; Actinobacteria
ac' Actinomycetales; Streptomyces; Streptomyces
cx NCBI TaxID 1941
RN 11
RP SEQUENCE FROM N.A.
RC STRAIN YSA-130
RA Yum D.1
RI Submission (100,000) to the EMBL/GenBank/DBP databases
RN 12
RP SEQUENCE FROM N.A.
RC STRAIN YSA-130
RA Do Young Y.1; Do D.1; Y.1; Y.1
RI Submitted (100,000) to the EMBL/GenBank/DBP databases
DR EMBL: X74102; GenBank: U05111
DR RCSB: P06778; IGB
DR MEGA4S: S01265
DR InterPro: IPR004216; ALP_protease
DR InterPro: IPR01416; Endoprotease
DR InterPro: IPR01254; Ser_protease_11
DR Pfam: PF02083; ALP_protease_2
DR Pfam: PF00089; Trypsin_1
DR PRINTS: PR00661; ALP_Trypsin
DR PROSITE: PS00400; TRYPSIN_L1
DR PROSITE: PS00157; TRYPSIN_L1
KW Hydrolyase; Protease; Serine protease
SQ SEQUENCE 502 AA; 505 MW; 2653207 a.a./kDa; 16534

Query March 07 00:00:00
Host Local Similarity 50.48; 1104; No. seq. 50

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Figure 1 displays the spatial distribution of the 10 most common plant species in the study area. The species are: 1. *E. arborea*, 2. *E. arborea*, 3. *E. arborea*, 4. *E. arborea*, 5. *E. arborea*, 6. *E. arborea*, 7. *E. arborea*, 8. *E. arborea*, 9. *E. arborea*. Each map shows the distribution of a specific species across the study area, with a legend indicating the species name and a scale bar.

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Figure 1. The effect of the concentration of the Fe^{2+} solution on the adsorption of Fe^{2+} by the Fe^{2+} -loaded adsorbent. The concentration of the Fe^{2+} solution was 0.01, 0.02, 0.05, 0.1, 0.2, 0.5, 1, 2, 5, 10, 20, 50, 100, 200, 500, 1000, 2000, 5000, 10000, 20000, 50000, 100000, 200000, 500000, 1000000, 2000000, 5000000, 10000000, 20000000, 50000000, 100000000, 200000000, 500000000, 1000000000, 2000000000, 5000000000, 10000000000, 20000000000, 50000000000, 100000000000, 200000000000, 500000000000, 1000000000000, 2000000000000, 5000000000000, 10000000000000, 20000000000000, 50000000000000, 100000000000000, 200000000000000, 500000000000000, 1000000000000000, 2000000000000000, 5000000000000000, 10000000000000000, 20000000000000000, 50000000000000000, 100000000000000000, 200000000000000000, 500000000000000000, 1000000000000000000, 2000000000000000000, 5000000000000000000, 10000000000000000000, 20000000000000000000, 50000000000000000000, 100000000000000000000, 200000000000000000000, 500000000000000000000, 1000000000000000000000, 2000000000000000000000, 5000000000000000000000, 10000000000000000000000, 20000000000000000000000, 50000000000000000000000, 100000000000000000000000, 200000000000000000000000, 500000000000000000000000, 1000000000000000000000000, 2000000000000000000000000, 5000000000000000000000000, 10000000000000000000000000, 20000000000000000000000000, 50000000000000000000000000, 100000000000000000000000000, 200000000000000000000000000, 500000000000000000000000000, 1000000000000000000000000000, 2000000000000000000000000000, 5000000000000000000000000000, 10000000000000000000000000000, 20000000000000000000000000000, 50000000000000000000000000000, 100000000000000000000000000000, 200000000000000000000000000000, 500000000000000000000000000000, 1000000000000000000000000000000, 2000000000000000000000000000000, 5000000000000000000000000000000, 10000000000000000000000000000000, 20000000000000000000000000000000, 50000000000000000000000000000000, 100000000000000000000000000000000, 200000000000000000000000000000000, 500000000000000000000000000000000, 1000000000000000000000000000000000, 2000000000000000000000000000000000, 5000000000000000000000000000000000, 10000000000000000000000000000000000, 20000000000000000000000000000000000, 50000000000000000000000000000000000, 100000000000000000000000000000000000, 200000000000000000000000000000000000, 500000000000000000000000000000000000, 1000000000000000000000000000000000000, 2000000000000000000000000000000000000, 5000000000000000000000000000000000000, 10000000000000000000000000000000000000, 20000000000000000000000000000000000000, 50000000000000000000000000000000000000, 100000000000000000000000000000000000000, 200000000000000000000000000000000000000, 500000000000000000000000000000000000000, 1000000000000000000000000000000000000000, 2000000000000000000000000000000000000000, 5000000000000000000000000000000000000000, 10000000000000000000000000000000000000000, 20000000000000000000000000000000000000000, 50000000000000000000000000000000000000000, 100000000000000000000000000000000000000000, 200000000000000000000000000000000000000000, 500000000000000000000000000000000000000000, 1000000000000000000000000000000000000000000, 2000000000000000000000000000000000000000000, 5000000000000000000000000000000000000000000, 10000000000000000000000000000000000000000000, 20000000000000000000000000000000000000000000, 50000000000000000000000000000000000000000000, 100000000000000000000000000000000000000000000, 200000000000000000000000000000000000000000000, 500000000000000000000000000000000000000000000, 1000000000000000000000000000000000000000000000, 2000000000000000000000000000000000000000000000, 5000000000000000000000000000000000000000000000, 10000000000000000000000000000000000000000000000, 20000000000000000000000000000000000000000000000, 50000000000000000000000000000000000000000000000, 100000000000000000000000000000000000000000000000, 200000000000000000000000000000000000000000000000, 500000000000000000000000000000000000000000000000, 1000000000000000000000000000000000000000000000000, 2000000000000000000000000000000000000000000000000, 5000000000000000000000000000000000000000000000000, 100000000

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1.2	1.7	1.5	1.1	1.5	2.5	2.1	AAV17.2
1.8	1.1	1.1	1.1	1.0	2.0	2.1	AAV10.0
1.4	1.1	1.1	1.1	1.1	2.1	1.9	AAW7.6
1.5	1.0	1.0	1.0	1.0	2.0	1.9	AAW5.3
1.6	1.0	1.0	1.0	1.0	2.0	1.8	AAW5.3
1.7	1.0	1.0	1.0	1.0	2.0	2.2	AAW17.0
1.8	1.0	1.0	1.0	1.0	2.2	2.1	AAW17.0
1.9	1.0	1.0	1.0	1.0	2.2	2.1	AAW17.0
1.9	1.0	1.0	1.0	1.0	2.2	2.1	AAW17.0
2.0	1.0	1.0	1.0	1.0	2.2	2.1	AAW17.0
2.1	1.0	1.0	1.0	1.0	2.2	2.1	AAW17.0
2.2	1.0	1.0	1.0	1.0	2.2	2.1	AAW17.0
2.3	1.0	1.0	1.0	1.0	2.2	2.1	AAW17.0
2.4	1.0	1.0	1.0	1.0	2.2	2.1	AAW17.0
2.5	1.0	1.0	1.0	1.0	2.2	2.1	AAW17.0
2.6	1.0	1.0	1.0	1.0	2.2	2.1	AAW17.0
2.7	1.0	1.0	1.0	1.0	2.2	2.1	AAW17.0
2.8	1.0	1.0	1.0	1.0	2.2	2.1	AAW17.0
2.9	1.0	1.0	1.0	1.0	2.2	2.1	AAW17.0
3.0	1.0	1.0	1.0	1.0	2.2	2.1	AAW17.0
3.1	1.0	1.0	1.0	1.0	2.2	2.1	AAW17.0
3.2	1.0	1.0	1.0	1.0	2.2	2.1	AAW17.0
3.3	1.0	1.0	1.0	1.0	2.2	2.1	AAW17.0
3.4	1.0	1.0	1.0	1.0	2.2	2.1	AAW17.0
3.5	1.0	1.0	1.0	1.0	2.2	2.1	AAW17.0
3.6	1.0	1.0	1.0	1.0	2.2	2.1	AAW17.0
3.7	1.0	1.0	1.0	1.0	2.2	2.1	AAW17.0
3.8	1.0	1.0	1.0	1.0	2.2	2.1	AAW17.0
3.9	1.0	1.0	1.0	1.0	2.2	2.1	AAW17.0
4.0	1.0	1.0	1.0	1.0	2.2	2.1	AAW17.0
4.1	1.0	1.0	1.0	1.0	2.2	2.1	AAW17.0
4.2	1.0	1.0	1.0	1.0	2.2	2.1	AAW17.0
4.3	1.0	1.0	1.0	1.0	2.2	2.1	AAW17.0
4.4	1.0	1.0	1.0	1.0	2.2	2.1	AAW17.0
4.5	1.0	1.0	1.0	1.0	2.2	2.1	AAW17.0
4.6	1.0	1.0	1.0	1.0	2.2	2.1	AAW17.0
4.7	1.0	1.0	1.0	1.0	2.2	2.1	AAW17.0
4.8	1.0	1.0	1.0	1.0	2.2	2.1	AAW17.0
4.9	1.0	1.0	1.0	1.0	2.2	2.1	AAW17.0
5.0	1.0	1.0	1.0	1.0	2.2	2.1	AAW17.0

ACKNOWLEDGMENTS

RES111 :
AAW9297
AAW9297 standard, Product, 888 AA.

AAW'92, 97;

$$| \psi - M \psi \rangle = | \psi^* \rangle \langle \psi^* | \psi \rangle$$

Figure 1. Schematic representation of the experimental design. The subjects were divided into two groups: control group (CG) and intervention group (IG). The CG received no intervention, while the IG received a 6-week intervention program. The outcome measures were measured at baseline (T0), post-intervention (T1), and follow-up (T2).

1. The first part of the paper is devoted to the study of the asymptotic behavior of the solutions of the system (1) as $\epsilon \rightarrow 0$. It is shown that the solutions of the system (1) converge to the solutions of the system (2) in the sense of the weak convergence in the space $L^2(\Omega; \mathbb{R}^n)$.

2. In the second part of the paper, the asymptotic expansion of the solutions of the system (1) is constructed. It is shown that the asymptotic expansion of the solutions of the system (1) has the form

$$u^\epsilon = u^0 + \epsilon u^1 + \epsilon^2 u^2 + \dots,$$

where u^0, u^1, u^2, \dots are the solutions of the system (2).

3. In the third part of the paper, the asymptotic expansion of the solutions of the system (1) is used to study the asymptotic behavior of the solutions of the system (1) as $\epsilon \rightarrow 0$. It is shown that the solutions of the system (1) converge to the solutions of the system (2) in the sense of the weak convergence in the space $L^2(\Omega; \mathbb{R}^n)$.

4. In the fourth part of the paper, the asymptotic expansion of the solutions of the system (1) is used to study the asymptotic behavior of the solutions of the system (1) as $\epsilon \rightarrow 0$. It is shown that the solutions of the system (1) converge to the solutions of the system (2) in the sense of the weak convergence in the space $L^2(\Omega; \mathbb{R}^n)$.

5. In the fifth part of the paper, the asymptotic expansion of the solutions of the system (1) is used to study the asymptotic behavior of the solutions of the system (1) as $\epsilon \rightarrow 0$. It is shown that the solutions of the system (1) converge to the solutions of the system (2) in the sense of the weak convergence in the space $L^2(\Omega; \mathbb{R}^n)$.

6. In the sixth part of the paper, the asymptotic expansion of the solutions of the system (1) is used to study the asymptotic behavior of the solutions of the system (1) as $\epsilon \rightarrow 0$. It is shown that the solutions of the system (1) converge to the solutions of the system (2) in the sense of the weak convergence in the space $L^2(\Omega; \mathbb{R}^n)$.

7. In the seventh part of the paper, the asymptotic expansion of the solutions of the system (1) is used to study the asymptotic behavior of the solutions of the system (1) as $\epsilon \rightarrow 0$. It is shown that the solutions of the system (1) converge to the solutions of the system (2) in the sense of the weak convergence in the space $L^2(\Omega; \mathbb{R}^n)$.

8. In the eighth part of the paper, the asymptotic expansion of the solutions of the system (1) is used to study the asymptotic behavior of the solutions of the system (1) as $\epsilon \rightarrow 0$. It is shown that the solutions of the system (1) converge to the solutions of the system (2) in the sense of the weak convergence in the space $L^2(\Omega; \mathbb{R}^n)$.

9. In the ninth part of the paper, the asymptotic expansion of the solutions of the system (1) is used to study the asymptotic behavior of the solutions of the system (1) as $\epsilon \rightarrow 0$. It is shown that the solutions of the system (1) converge to the solutions of the system (2) in the sense of the weak convergence in the space $L^2(\Omega; \mathbb{R}^n)$.

10. In the tenth part of the paper, the asymptotic expansion of the solutions of the system (1) is used to study the asymptotic behavior of the solutions of the system (1) as $\epsilon \rightarrow 0$. It is shown that the solutions of the system (1) converge to the solutions of the system (2) in the sense of the weak convergence in the space $L^2(\Omega; \mathbb{R}^n)$.

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IN KINGSLEY A.

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4177XV; N-PSIR; AAX22416.

Neuro1 DNA constructs containing putative cis elements, a 2.0-kb genomic clone of the Neuro1 gene, and a 1.0-kb fragment of the 5' flanking region of the Neuro1 gene were used to generate reporter constructs. The reporter constructs were transfected into cells and the activity of the reporter constructs was measured. The results are shown in Figure 1. The results show that the Neuro1 promoter is active in the cells and that the Neuro1 promoter is active in the cells.

See Admin Log, Page 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484 485 486 487 488 489 490 491 492 493 494 495 496 497 498 499 500 501 502 503 504 505 506 507 508 509 510 511 512 513 514 515 516 517 518 519 520 521 522 523 524 525 526 527 528 529 530 531 532 533 534 535 536 537 538 539 540 541 542 543 544 545 546 547 548 549 550 551 552 553 554 555 556 557 558 559 560 561 562 563 564 565 566 567 568 569 570 571 572 573 574 575 576 577 578 579 580 581 582 583 584 585 586 587 588 589 590 591 592 593 594 595 596 597 598 599 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623 624 625 626 627 628 629 630 631 632 633 634 635 636 637 638 639 640 641 642 643 644 645 646 647 648 649 650 651 652 653 654 655 656 657 658 659 660 661 662 663 664 665 666 667 668 669 670 671 672 673 674 675 676 677 678 679 680 681 682 683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744 745 746 747 748 749 750 751 752 753 754 755 756 757 758 759 760 761 762 763 764 765 766 767 768 769 770 771 772 773 774 775 776 777 778 779 780 781 782 783 784 785 786 787 788 789 790 791 792 793 794 795 796 797 798 799 800 801 802 803 804 805 806 807 808 809 810 811 812 813 814 815 816 817 818 819 820 821 822 823 824 825 826 827 828 829 830 831 832 833 834 835 836 837 838 839 840 841 842 843 844 845 846 847 848 849 850 851 852 853 854 855 856 857 858 859 860 861 862 863 864 865 866 867 868 869 870 871 872 873 874 875 876 877 878 879 880 881 882 883 884 885 886 887 888 889 890 891 892 893 894 895 896 897 898 899 900 901 902 903 904 905 906 907 908 909 910 911 912 913 914 915 916 917 918 919 920 921 922 923 924 925 926 927 928 929 930 931 932 933 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 950 951 952 953 954 955 956 957 958 959 960 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977 978 979 980 981 982 983 984 985 986 987 988 989 990 991 992 993 994 995 996 997 998 999 1000 1001 1002 1003 1004 1005 1006 1007 1008 1009 1010 1011 1012 1013 1014 1015 1016 1017 1018 1019 1020 1021 1022 1023 1024 1025 1026 1027 1028 1029 1030 1031 1032 1033 1034 1035 1036 1037 1038 1039 1040 1041 1042 1043 1044 1045 1046 1047 1048 1049 1



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1. *Chlorophyll a* (Chl *a*)
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 4. *Chlorophyll d* (Chl *d*)
 5. *Chlorophyll e* (Chl *e*)
 6. *Chlorophyll f* (Chl *f*)
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 8. *Chlorophyll h* (Chl *h*)
 9. *Chlorophyll i* (Chl *i*)
 10. *Chlorophyll j* (Chl *j*)
 11. *Chlorophyll k* (Chl *k*)
 12. *Chlorophyll l* (Chl *l*)
 13. *Chlorophyll m* (Chl *m*)
 14. *Chlorophyll n* (Chl *n*)
 15. *Chlorophyll o* (Chl *o*)
 16. *Chlorophyll p* (Chl *p*)
 17. *Chlorophyll q* (Chl *q*)
 18. *Chlorophyll r* (Chl *r*)
 19. *Chlorophyll s* (Chl *s*)
 20. *Chlorophyll t* (Chl *t*)
 21. *Chlorophyll u* (Chl *u*)
 22. *Chlorophyll v* (Chl *v*)
 23. *Chlorophyll w* (Chl *w*)
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 25. *Chlorophyll y* (Chl *y*)
 26. *Chlorophyll z* (Chl *z*)
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 28. *Chlorophyll ab* (Chl *ab*)
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 33. *Chlorophyll ag* (Chl *ag*)
 34. *Chlorophyll ah* (Chl *ah*)
 35. *Chlorophyll ai* (Chl *ai*)
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Figure 1. The effect of the concentration of the *Agrobacterium* suspension on the transformation efficiency of *Agrobacterium* strains. The *Agrobacterium* strains were grown in YEA medium for 24 h at 28 °C. The cell concentration of the strains was adjusted to 10⁸ cells/ml. The cell suspension was then diluted to 10⁶, 10⁷, 10⁸, 10⁹, and 10¹⁰ cells/ml. The cell suspension was then inoculated into the plant tissue. The transformation efficiency was determined by the number of transformants per 10⁶ cells. The data were presented as the mean ± SD of three independent experiments.

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[illegible]

US 60 240 409 409

SEQUENCE 1: APPLICATION US/02/2924

GENERAL INFORMATION

APPLICANT: KAZAKI, AKIO

TITLE OF INVENTION: NOVEL HYDROLYZABLE POLYMER

NUMBER OF SEQUENCES: 2

ADDRESS/RESIDENT ADDRESS:

STREET: Four Embroidery Center, Suite 1450

CITY: San Francisco, CA

STATE: California

COUNTRY: USA

ZIP: 94111

MEDIUM TYPE: Floppy disk

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

CLASSIFICATION: 4A

PRIOR APPLICATION DATA:

FILING DATE:

NAME: Shobeta J. Suzano

REGISTRATION NUMBER: 28,768

TELEPHONE: (415) 662-5556

TELEFAX: (415) 662-5556

INFORMATION FOR SEQ ID NO: 1

SEQUENCE CHARACTERISTICS:

LENGTH: 41 amino acids

TYPE: amino acid

Topology: Linear

FRAGMENT TYPE: Protein

ORIGINAL SOURCE:

ORGANISM: Streptococcus at home

APPLICANT: KAZAKI, AKIO

TITLE OF INVENTION: NOVEL HYDROLYZABLE POLYMER

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US 60 240 409 409

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FILING DATE:

NAME: Shobeta J. Suzano

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TELEPHONE: (415) 662-5556

TELEFAX: (415) 662-5556

INFORMATION FOR SEQ ID NO: 1

SEQUENCE CHARACTERISTICS:

LENGTH: 41 amino acids

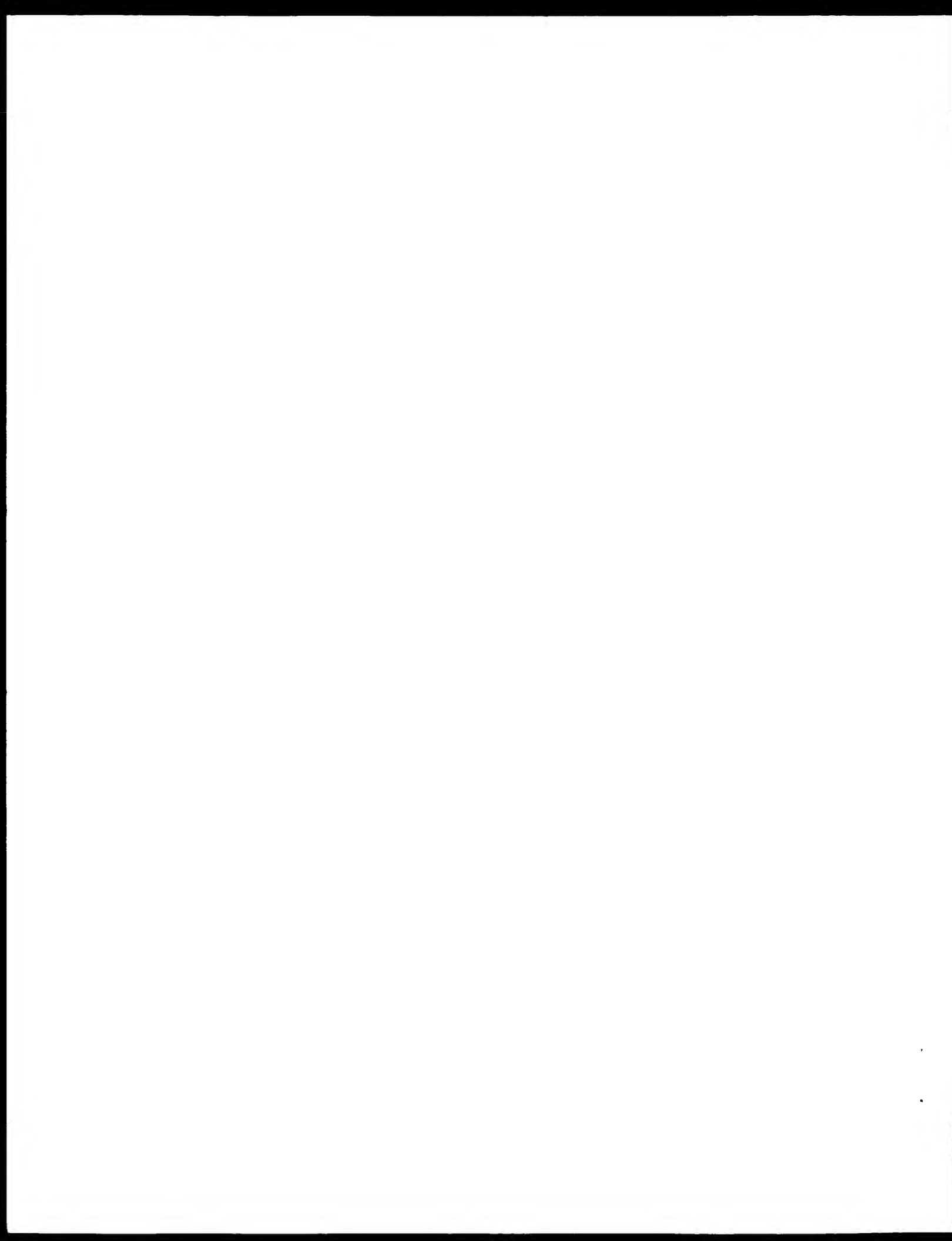
TYPE: amino acid

Topology: Linear

FRAGMENT TYPE: Protein

ORIGINAL SOURCE:

ORGANISM: Streptococcus at home




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2 PRIOR FILING DATE: 1998 05 15
3 PRIOR APPLICATION NUMBER: 60/085582
4 PRIOR FILING DATE: 1998 05 15
5 PRIOR APPLICATION NUMBER: 60/085700
6 PRIOR FILING DATE: 1998 05 15
7 PRIOR APPLICATION NUMBER: 60/085669
8 PRIOR FILING DATE: 1998 05 15
9 PRIOR APPLICATION NUMBER: 60/085679
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11 PRIOR APPLICATION NUMBER: 60/085680
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13 PRIOR APPLICATION NUMBER: 60/085678
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15 PRIOR APPLICATION NUMBER: 60/085744
16 PRIOR FILING DATE: 1998 05 15
17 PRIOR APPLICATION NUMBER: 60/085677
18 PRIOR FILING DATE: 1998 05 15
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 7 PRIOR FILING DATE: 1998-04-13
 8 PRIOR APPLICATION NUMBER: 60/000004
 9 PRIOR FILING DATE: 1998-04-14
 10 PRIOR APPLICATION NUMBER: 60/000005
 11 PRIOR FILING DATE: 1998-04-15
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 22 PRIOR APPLICATION NUMBER: 60/000011
 23 PRIOR FILING DATE: 1998-04-21
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 26 PRIOR APPLICATION NUMBER: 60/000013
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 28 PRIOR APPLICATION NUMBER: 60/000014
 29 PRIOR FILING DATE: 1998-04-24
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 31 PRIOR FILING DATE: 1998-04-25
 32 PRIOR APPLICATION NUMBER: 60/000016
 33 PRIOR FILING DATE: 1998-04-26
 34 PRIOR APPLICATION NUMBER: 60/000017
 35 PRIOR FILING DATE: 1998-04-27
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 79 PRIOR FILING DATE: 1998-05-18
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 81 PRIOR FILING DATE: 1998-05-19
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 97 PRIOR FILING DATE: 1998-05-27
 98 PRIOR APPLICATION NUMBER: 60/000049
 99 PRIOR FILING DATE: 1998-05-28
 100 PRIOR APPLICATION NUMBER: 60/000050

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 17 APPLICANT: Klatte, Paul J.
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 19 APPLICANT: Kuper, Mary A.
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 21 APPLICANT: Land, Nicholas P.
 22 APPLICANT: Roy, Margaret Ann
 23 APPLICANT: Shetty, David L.
 24 APPLICANT: Stewart, Timothy A.
 25 APPLICANT: Thomas, Daniel
 26 APPLICANT: Williams, J. Mickey
 27 APPLICANT: Wood, Willam L.
 28 TITLE OF INVENTION: Separated and Transmitted P-Types and Networks
 29 TITLE OF INVENTION: Aerials Having a Tip Size
 30 TITLE REFERENCE: P260016
 31 CURRENT APPLICATION NUMBER: 09/078034
 32 PRIORITY FILING DATE: 2001-07-16
 33 PRIOR APPLICATION NUMBER: 09/018085
 34 PRIOR FILING DATE: 2001-07-16
 35 PRIOR APPLICATION NUMBER: 09/022501
 36 PRIOR FILING DATE: 1997-10-11
 37 PRIOR APPLICATION NUMBER: 09/04249
 38 PRIOR FILING DATE: 1997-11-13
 39 PRIOR APPLICATION NUMBER: 09/065511
 40 PRIOR FILING DATE: 1997-11-13
 41 PRIOR APPLICATION NUMBER: 09/066064
 42 PRIOR FILING DATE: 1997-11-21
 43 PRIOR APPLICATION NUMBER: 09/07741
 44 PRIOR FILING DATE: 1998-03-16
 45 PRIOR APPLICATION NUMBER: 09/077632
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 99 PRIOR APPLICATION NUMBER: 09/077641
 100 PRIOR FILING DATE: 1998-03-11

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Figure 1. The effect of the concentration of the *Agaricus bisporus* spores on the growth of *Agaricus bisporus* on the substrate. The concentration of the spores was 10⁴ spores/g (a), 10⁵ spores/g (b), 10⁶ spores/g (c), 10⁷ spores/g (d), 10⁸ spores/g (e), 10⁹ spores/g (f), 10¹⁰ spores/g (g), 10¹¹ spores/g (h), 10¹² spores/g (i), 10¹³ spores/g (j), 10¹⁴ spores/g (k), 10¹⁵ spores/g (l), 10¹⁶ spores/g (m), 10¹⁷ spores/g (n), 10¹⁸ spores/g (o), 10¹⁹ spores/g (p), 10²⁰ spores/g (q), 10²¹ spores/g (r), 10²² spores/g (s), 10²³ spores/g (t), 10²⁴ spores/g (u), 10²⁵ spores/g (v), 10²⁶ spores/g (w), 10²⁷ spores/g (x), 10²⁸ spores/g (y), 10²⁹ spores/g (z), 10³⁰ spores/g (aa), 10³¹ spores/g (ab), 10³² spores/g (ac), 10³³ spores/g (ad), 10³⁴ spores/g (ae), 10³⁵ spores/g (af), 10³⁶ spores/g (ag), 10³⁷ spores/g (ah), 10³⁸ spores/g (ai), 10³⁹ spores/g (aj), 10⁴⁰ spores/g (ak), 10⁴¹ spores/g (al), 10⁴² spores/g (am), 10⁴³ spores/g (an), 10⁴⁴ spores/g (ao), 10⁴⁵ spores/g (ap), 10⁴⁶ spores/g (aq), 10⁴⁷ spores/g (ar), 10⁴⁸ spores/g (as), 10⁴⁹ spores/g (at), 10⁵⁰ spores/g (au), 10⁵¹ spores/g (av), 10⁵² spores/g (aw), 10⁵³ spores/g (ax), 10⁵⁴ spores/g (ay), 10⁵⁵ spores/g (az), 10⁵⁶ spores/g (ba), 10⁵⁷ spores/g (bb), 10⁵⁸ spores/g (bc), 10⁵⁹ spores/g (bd), 10⁶⁰ spores/g (be), 10⁶¹ spores/g (bf), 10⁶² spores/g (bg), 10⁶³ spores/g (bh), 10⁶⁴ spores/g (bi), 10⁶⁵ spores/g (bj), 10⁶⁶ spores/g (bk), 10⁶⁷ spores/g (bl), 10⁶⁸ spores/g (bm), 10⁶⁹ spores/g (bn), 10⁷⁰ spores/g (bo), 10⁷¹ spores/g (bp), 10⁷² spores/g (bq), 10⁷³ spores/g (br), 10⁷⁴ spores/g (bs), 10⁷⁵ spores/g (bt), 10⁷⁶ spores/g (bu), 10⁷⁷ spores/g (bv), 10⁷⁸ spores/g (bw), 10⁷⁹ spores/g (bx), 10⁸⁰ spores/g (by), 10⁸¹ spores/g (bz), 10⁸² spores/g (ca), 10⁸³ spores/g (cb), 10⁸⁴ spores/g (cc), 10⁸⁵ spores/g (cd), 10⁸⁶ spores/g (ce), 10⁸⁷ spores/g (cf), 10⁸⁸ spores/g (cg), 10⁸⁹ spores/g (ch), 10⁹⁰ spores/g (ci), 10⁹¹ spores/g (cj), 10⁹² spores/g (ck), 10⁹³ spores/g (cl), 10⁹⁴ spores/g (cm), 10⁹⁵ spores/g (cn), 10⁹⁶ spores/g (co), 10⁹⁷ spores/g (cp), 10⁹⁸ spores/g (cq), 10⁹⁹ spores/g (cr), 10¹⁰⁰ spores/g (cs), 10¹⁰¹ spores/g (ct), 10¹⁰² spores/g (cu), 10¹⁰³ spores/g (cv), 10¹⁰⁴ spores/g (cw), 10¹⁰⁵ spores/g (cx), 10¹⁰⁶ spores/g (cy), 10¹⁰⁷ spores/g (cz), 10¹⁰⁸ spores/g (da), 10¹⁰⁹ spores/g (db), 10¹¹⁰ spores/g (dc), 10¹¹¹ spores/g (dd), 10¹¹² spores/g (de), 10¹¹³ spores/g (df), 10¹¹⁴ spores/g (dg), 10¹¹⁵ spores/g (dh), 10¹¹⁶ spores/g (di), 10¹¹⁷ spores/g (dj), 10¹¹⁸ spores/g (dk), 10¹¹⁹ spores/g (dl), 10¹²⁰ spores/g (dm), 10¹²¹ spores/g (dn), 10¹²² spores/g (do), 10¹²³ spores/g (dp), 10¹²⁴ spores/g (dq), 10¹²⁵ spores/g (dr), 10¹²⁶ spores/g (ds), 10¹²⁷ spores/g (dt), 10¹²⁸ spores/g (du), 10¹²⁹ spores/g (dv), 10¹³⁰ spores/g (dw), 10¹³¹ spores/g (dx), 10¹³² spores/g (dy), 10¹³³ spores/g (dz), 10¹³⁴ spores/g (ea), 10¹³⁵ spores/g (eb), 10¹³⁶ spores/g (ec), 10¹³⁷ spores/g (ed), 10¹³⁸ spores/g (ee), 10¹³⁹ spores/g (ef), 10¹⁴⁰ spores/g (eg), 10¹⁴¹ spores/g (eh), 10¹⁴² spores/g (ei), 10¹⁴³ spores/g (ej), 10¹⁴⁴ spores/g (ek), 10¹⁴⁵ spores/g (el), 10¹⁴⁶ spores/g (em), 10¹⁴⁷ spores/g (en), 10¹⁴⁸ spores/g (eo), 10¹⁴⁹ spores/g (ep), 10¹⁵⁰ spores/g (eq), 10¹⁵¹ spores/g (er), 10¹⁵² spores/g (es), 10¹⁵³ spores/g (et), 10¹⁵⁴ spores/g (eu), 10¹⁵⁵ spores/g (ev), 10¹⁵⁶ spores/g (ew), 10¹⁵⁷ spores/g (ex), 10¹⁵⁸ spores/g (ey), 10¹⁵⁹ spores/g (ez), 10¹⁶⁰ spores/g (fa), 10¹⁶¹ spores/g (fb), 10¹⁶² spores/g (fc), 10¹⁶³ spores/g (fd), 10¹⁶⁴ spores/g (fe), 10¹⁶⁵ spores/g (ff), 10¹⁶⁶ spores/g (fg), 10¹⁶⁷ spores/g (fh), 10¹⁶⁸ spores/g (fi), 10¹⁶⁹ spores/g (fj), 10¹⁷⁰ spores/g (fk), 10¹⁷¹ spores/g (fl), 10¹⁷² spores/g (fm), 10¹⁷³ spores/g (fn), 10¹⁷⁴ spores/g (fo), 10¹⁷⁵ spores/g (fp), 10¹⁷⁶ spores/g (fq), 10¹⁷⁷ spores/g (fr), 10¹⁷⁸ spores/g (fs), 10¹⁷⁹ spores/g (ft), 10¹⁸⁰ spores/g (fu), 10¹⁸¹ spores/g (fv), 10¹⁸² spores/g (fw), 10¹⁸³ spores/g (fx), 10¹⁸⁴ spores/g (fy), 10¹⁸⁵ spores/g (fz), 10¹⁸⁶ spores/g (ga), 10¹⁸⁷ spores/g (gb), 10¹⁸⁸ spores/g (gc), 10¹⁸⁹ spores/g (gd), 10¹⁹⁰ spores/g (ge), 10¹⁹¹ spores/g (gf), 10¹⁹² spores/g (gg), 10¹⁹³ spores/g (gh), 10¹⁹⁴ spores/g (gi), 10¹⁹⁵ spores/g (gj), 10¹⁹⁶ spores/g (gk), 10¹⁹⁷ spores/g (gl), 10¹⁹⁸ spores/g (gm), 10¹⁹⁹ spores/g (gn), 10²⁰⁰ spores/g (go), 10²⁰¹ spores/g (gp), 10²⁰² spores/g (gq), 10²⁰³ spores/g (gr), 10²⁰⁴ spores/g (gs), 10²⁰⁵ spores/g (gt), 10²⁰⁶ spores/g (gu), 10²⁰⁷ spores/g (gv), 10²⁰⁸ spores/g (gw), 10²⁰⁹ spores/g (gx), 10²¹⁰ spores/g (gy), 10²¹¹ spores/g (gz), 10²¹² spores/g (ha), 10²¹³ spores/g (hb), 10²¹⁴ spores/g (hc), 10²¹⁵ spores/g (hd), 10²¹⁶ spores/g (he), 10²¹⁷ spores/g (hf), 10²¹⁸ spores/g (hg), 10²¹⁹ spores/g (hh), 10²²⁰ spores/g (hi), 10²²¹ spores/g (hj), 10²²² spores/g (hk), 10²²³ spores/g (hl), 10²²⁴ spores/g (hm), 10²²⁵ spores/g (hn), 10²²⁶ spores/g (ho), 10²²⁷ spores/g (hp), 10²²⁸ spores/g (hq), 10²²⁹ spores/g (hr), 10²³⁰ spores/g (hs), 10²³¹ spores/g (ht), 10²³² spores/g (hu), 10²³³ spores/g (hv

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$\text{C}_6\text{H}_5\text{N}(\text{CH}_2)_3\text{NH}_2$, AlCl_3 , VCl_3 , VOCl_3 , WOCl_6 , $\text{UO}_2\text{Cl}_2 \cdot 2\text{H}_2\text{O}$

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XX The invention relates to the use of at least one acid stable protease in
 XX animal feed, to improve its nutritional value and in the treatment
 XX of vegetable proteins, the feed composition is useful for feeding
 XX animals, including humans, ruminants and non ruminants (i.e. monogastric
 XX animals (e.g. pigs) poultry and fish, the stomach of monogastric animals
 XX and many fish exhibit a strongly acid pH, however, most protein digestion
 XX occurs in the small intestine, provided is a feed composition which
 XX comprises an acid stable protease that can survive passage through the
 XX stomach, the present sequence is the N terminal sequence from an
 XX acid stable protease from *Neuridiopsis alba*.

XX Sequence: 17 AA:

Query Match: (100.00) Score: 89; DB: 22; Length: 17;

Best Local Similarity: (100.00) Prod. No. 7,66 89;

Matches: 17; Conservation: 0; Mismatches: 0; Indels: 0; Gaps: 0;

01 1 AD115HAYIM638CSV 17

02 1111111111111111

03 1 AD115HAYIM638CSV 17

RESULT 2

AAW24567

1: AAW24567 standard; Protease: 166 AA;

XX A*

XX AAW24567;

01 19 MAY 1999 (first entry)

XX Neuridiopsis sp. proteolytic protease;

XX In feed, it protease detergent additive; wash liquor; bioethanol;

XX Neuridiopsis sp.

XX DK009 13 A;

XX 09 JAN 1996;

XX 09 JAN 1996; 96JK 0000013;

XX 09 JAN 1996; 96JK 0000013;

XX (N V) N V N K10K A1;

XX 09 JAN 1996; 96JK 0000013;

XX 09 JAN 1996; 96JK 0000013;

XX 09 JAN 1996; 96JK 0000013;

XX 09 JAN 1996; 96JK 0000013;

XX 09 JAN 1996; 96JK 0000013;

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XX 09 JAN 1996; 96JK 0000013;

XX 09 JAN 1996; 96JK 0000013;

XX 09 JAN 1996; 96JK 0000013;

RESULT 3

AAW24567

01 AAW24567 standard; Protease: 166 AA

XX A*

XX AAW24567;

01 24 MAY 2001 (first entry)

XX Neuridiopsis sp. acid-stable protease;

XX Avid stable protease; animal feed; bioethanol; wash liquor; bioethanol;

XX ruminant;

XX Neuridiopsis sp. NR01 06262;

XX 02 MAY 2001 A1;

XX 16 MAY 2001;

XX 05 FEB 2001; 2001W 100110;

XX 08 FEB 2001; 2001K 100110;

XX (BIOF) 1001MANN 1A 1001K 100110;

XX 02 MAY 2001 A1;

XX 16 MAY 2001;

XX 05 FEB 2001; 2001W 100110;

XX 08 FEB 2001; 2001K 100110;

XX (BIOF) 1001MANN 1A 1001K 100110;

XX 02 MAY 2001 A1;

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XX 02 MAY 2001 A1;

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XX 05 FEB 2001; 2001W 100110;

XX 08 FEB 2001; 2001K 100110;

XX (BIOF) 1001MANN 1A 1001K 100110;

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	1997-2000	2001-2004
1. <i>Chlamydia trachomatis</i>	100	100
2. <i>Neisseria gonorrhoeae</i>	100	100
3. <i>Trichomonas vaginalis</i>	100	100
4. <i>Herpes simplex virus</i>	100	100
5. <i>Human immunodeficiency virus</i>	100	100
6. <i>Cytomegalovirus</i>	100	100
7. <i>Epstein-Barr virus</i>	100	100
8. <i>Varicella-zoster virus</i>	100	100
9. <i>Human papillomavirus</i>	100	100
10. <i>Streptococcus pneumoniae</i>	100	100
11. <i>Staphylococcus aureus</i>	100	100
12. <i>Escherichia coli</i>	100	100
13. <i>Salmonella</i>	100	100
14. <i>Shigella</i>	100	100
15. <i>Yersinia enterocolitica</i>	100	100
16. <i>Legionella pneumophila</i>	100	100
17. <i>Cryptosporidium parvum</i>	100	100
18. <i>Toxoplasma gondii</i>	100	100
19. <i>Isospora belli</i>	100	100
20. <i>Cyclospora cayentensis</i>	100	100
21. <i>Microsporidium</i>	100	100
22. <i>Giardia lamblia</i>	100	100
23. <i>Entamoeba histolytica</i>	100	100
24. <i>Naegleria fowleri</i>	100	100
25. <i>Acanthamoeba</i>	100	100
26. <i>Plasmodium falciparum</i>	100	100
27. <i>Plasmodium vivax</i>	100	100
28. <i>Plasmodium malariae</i>	100	100
29. <i>Plasmodium knowlesi</i>	100	100
30. <i>Trypanosoma brucei</i>	100	100
31. <i>Trypanosoma cruzi</i>	100	100
32. <i>Leishmania</i>	100	100
33. <i>Toxoplasma gondii</i>	100	100
34. <i>Cryptosporidium parvum</i>	100	100
35. <i>Isospora belli</i>	100	100
36. <i>Cyclospora cayentensis</i>	100	100
37. <i>Microsporidium</i>	100	100
38. <i>Giardia lamblia</i>	100	100
39. <i>Entamoeba histolytica</i>	100	100
40. <i>Naegleria fowleri</i>	100	100
41. <i>Acanthamoeba</i>	100	100
42. <i>Plasmodium falciparum</i>	100	100
43. <i>Plasmodium vivax</i>	100	100
44. <i>Plasmodium malariae</i>	100	100
45. <i>Plasmodium knowlesi</i>	100	100
46. <i>Trypanosoma brucei</i>	100	100
47. <i>Trypanosoma cruzi</i>	100	100
48. <i>Leishmania</i>	100	100
49. <i>Toxoplasma gondii</i>	100	100
50. <i>Cryptosporidium parvum</i>	100	100
51. <i>Isospora belli</i>	100	100
52. <i>Cyclospora cayentensis</i>	100	100
53. <i>Microsporidium</i>	100	100
54. <i>Giardia lamblia</i>	100	100
55. <i>Entamoeba histolytica</i>	100	100
56. <i>Naegleria fowleri</i>	100	100
57. <i>Acanthamoeba</i>	100	100
58. <i>Plasmodium falciparum</i>	100	100
59. <i>Plasmodium vivax</i>	100	100
60. <i>Plasmodium malariae</i>	100	100
61. <i>Plasmodium knowlesi</i>	100	100
62. <i>Trypanosoma brucei</i>	100	100
63. <i>Trypanosoma cruzi</i>	100	100
64. <i>Leishmania</i>	100	100
65. <i>Toxoplasma gondii</i>	100	100
66. <i>Cryptosporidium parvum</i>	100	100
67. <i>Isospora belli</i>	100	100
68. <i>Cyclospora cayentensis</i>	100	100
69. <i>Microsporidium</i>	100	100
70. <i>Giardia lamblia</i>	100	100
71. <i>Entamoeba histolytica</i>	100	100
72. <i>Naegleria fowleri</i>	100	100
73. <i>Acanthamoeba</i>	100	100
74. <i>Plasmodium falciparum</i>	100	100
75. <i>Plasmodium vivax</i>	100	100
76. <i>Plasmodium malariae</i>	100	100
77. <i>Plasmodium knowlesi</i>	100	100
78. <i>Trypanosoma brucei</i>	100	100
79. <i>Trypanosoma cruzi</i>	100	100
80. <i>Leishmania</i>	100	100
81. <i>Toxoplasma gondii</i>	100	100
82. <i>Cryptosporidium parvum</i>	100	100
83. <i>Isospora belli</i>	100	100
84. <i>Cyclospora cayentensis</i>	100	100
85. <i>Microsporidium</i>	100	100
86. <i>Giardia lamblia</i>	100	100
87. <i>Entamoeba histolytica</i>	100	100
88. <i>Naegleria fowleri</i>	100	100
89. <i>Acanthamoeba</i>	100	100
90. <i>Plasmodium falciparum</i>	100	100
91. <i>Plasmodium vivax</i>	100	100
92. <i>Plasmodium malariae</i>	100	100
93. <i>Plasmodium knowlesi</i>	100	100
94. <i>Trypanosoma brucei</i>	100	100
95. <i>Trypanosoma cruzi</i>	100	100
96. <i>Leishmania</i>	100	100
97. <i>Toxoplasma gondii</i>	100	100
98. <i>Cryptosporidium parvum</i>	100	100
99. <i>Isospora belli</i>	100	100
100. <i>Cyclospora cayentensis</i>	1	

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[illegible]

the results produced by these authors have a limited applicability to the limited period, 1960-1969, and to the limited number of countries.

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[illegible][illegible]

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RESEARCH
 US DB-644-14A-1
 September 1, Affiliated by DB/DB-644-14A
 Patent No. 644-28
 GENERAL INFORMATION:
 APPLICANT: Tech. Serv. Co.
 TITLE OF INVENTION: NEW ALKALINE PHOSPHATE AND TRIP
 TITLE OF INVENTION: THEREFOR
 NUMBER OF SEQUENCES: 27
 DESCRIPTION OF THE INVENTION:
 ADDRESSER: Major J. P. Parsons, Subcontractors
 STREET: Four hundred and one, Suite 101,
 City, San Francisco,
 STATE: California
 COUNTRY: U.S.A.
 ZIP: 94111-4121
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 CHARACTER SET: IBM Compatible
 OPERATING SYSTEM: PC DOS/MS-DOS
 SOFTWARE: Patient Record System v. 1.0
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: 644-544-14A
 FILING DATE: 17 OCT 1995
 CLASSIFICATION: 2C
 ATTORNEY/AGENT INFORMATION:
 NAME: de Bontz, P. Alston
 REGISTRATION NUMBER: 57,111
 REFERENCE/PUBLICATION NUMBERS: 644-544-14A-1
 TELECOMMUNICATIONS INFORMATION:
 TELEPHONE: 415-644-5444
 TELEFAX: 415-644-5444
 INFORMATION FOR SEQUENCE NO. 1:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 4 amino acids
 TYPE: amino acid
 LOCATION: amino
 MOLECULE TYPE: protein
 FRAGMENT TYPE: N-terminal
 ORIGINAL SOURCE:
 ORGANISM: Streptomyces albidus
 US DB-644-14A-1

Country	Match	Referee	Score	Goalkeeper
West	Local	Similarity	50:50	Final
Marbles	for	conservation	4:1	Midland
QY	2	DIFFERENTIATE	RE-SAY	17
OB	2	ELIMINATE	CONCENTR	16

[illegible][illegible]

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1 COUNTRY: United States of America
2 ZIP: 20007-5109
3 COMPUTER RELEASABLE FORM
4 MEDIUM TYPE: Floppy disk
5 PROGRAMMER: IBM PC compatible
6 OPERATING SYSTEM: PC DOS/MS DOS
7 OPERATING: Patched, R44486, 41.0, Version 4.1.0
8
9 SOURCE: AUTHOR DATA
10 ATTENTION NUMBER: 00746466, 00
11 FILLING DATE: 06 FEB 1994
12 EARLIER ATTENTION DATA:
13 ATTENTION NUMBER: 0107730, 0000
14 FILLING DATE: 06 FEB 1992
15
16 PROBABLY ATTENTION DATA:
17 APPLICATION NUMBER: AU 064406
18 FILLING DATE: 06 FEB 1991
19
20 PROBABLY ATTENTION DATA:
21 ATTENTION NUMBER: 1117050, 00040
22 FILLING DATE: 06 FEB 1992
23
24 ALTERNATIVE INFORMATION:
25 NAME: Bond, Stephen A
26 REGISTRAR NUMBER: 29,396
27 TITLE: RESEARCH IN THE TREATMENT
28 OF DEPRESSION (202) 672 5100
29 TELEPHONE: (202) 672 5100
30 FAX: (202) 672 5096
31 FAX: 004136
32
33 INFORMATION FOR SEQ ID NOS: 1-2
34
35 SEQUENCE CHARACTERISTICS
36
37 LENGTH: 440 amino acids
38 TYPE: amino acid
39 topology: linear
40
41 MOLECULE TYPE: protein
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43 OS 00-460 990 12
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STARK, LAWRENCE W.
SUNSHIM, M.
TASHEP, M.

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SEQUENCE: CHARNOFF-S111111
LENGTH: 1014000000000000
TYPE: amide acid
STRANDEDNESS: single
topology: linear
S=08-276 09115

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Library Map(s)	94-44	State	Ark.	County	Lonoke
Best Local Similarity	62.68%	Prod. No.	447		
Matches	100% conserved	% Mismatch	100%		

[illegible][illegible]

US 004 483 859 15

1 Supreme 15, Application of US/Canada
2 Patent No. 695447
3
4 GENERAL INFORMATION:
5 APPLICANT: TOSMOP, SLOAN, M.
6 APPLICANT: VAN, Yung-fan
7 APPLICANT: CHONG, Yolo
8 APPLICANT: CHEN, Yung-fan
9 APPLICANT: KLIN, Michel H.
10
11 TITLE OF INVENTION: Analysis of Homopolymers
12 TITLE OF INVENTION: Reduced Temperature Analysis
13 NUMBER OF SEQUENCES: 2
14 CORRESPONDENT ADDRESS:
15 ADDRESSEE: S. S. Mohanty
16 STREET: Suite 707, 400 University Avenue
17 CITY: Toronto
18 STATE: Ontario
19 COUNTRY: Canada
20
21 ZIP: M5S 1A7
22
23 MATERIAL TYPE: POLYMER DISK
24
25 COMPUTER: IBM PC compatible
26
27 OPERATING SYSTEM: PC DOS 3.3, Version 2
28 SOFTWARE: Patent to Polymers #15, Version 2
29 CURRENT APPLICATION DATA:
30 APPLICATION NUMBER: 695447/2000

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Best Local Similarity	62.58	62.58	62.58	62.58	62.58	62.58	62.58	62.58	62.58
Matches	10	Conservative	1	Miservative	4	Conservative	4	Conservative	4

3 LOG:LAYTM33 RC:SV 17

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2 CIPHERTEXT ADDRESS:
3 ADDRESS: SIM 5 MONTNEY
4 STREET: SUITE 701, 430 UNIVERSITY AVENUE
5 CITY: TORONTO
6 STATE: ONTARIO
7 COUNTRY: CANADA
8 ZIP: M5G 1R7
9
10 OTHER AVAILABLE FORM:
11 MEDIUM TYPE: floppy disk
12 SERIAL: IBM PC computer file
13 ADDRESS: 5011 PLYM, 17-16-79S, 29S
14 SOFTWARE: Pattern Recognition #1.0, Version #1.25
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17 ADDRESS: SIM 5 MONTNEY
18 STREET: SUITE 701, 430 UNIVERSITY AVENUE
19 CITY: TORONTO
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21 COUNTRY: CANADA
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24 OTHER AVAILABLE FORM:
25 MEDIUM TYPE: floppy disk
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50 OTHER AVAILABLE FORM:
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95 ADDRESS: SIM 5 MONTNEY
96 STREET: SUITE 701, 430 UNIVERSITY AVENUE
97 CITY: TORONTO
98 STATE: ONTARIO
99 COUNTRY: CANADA
100 ZIP: M5G 1R7

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RESUME
US on 4/2-178-15
Supersedes 15, Approved by US/OS/04/2173
Patent No. 5665463
GENERAL INFORMATION:
APPLICANT: DOWCORP., Stewart M.
APPLICANT: VANI, Yoh-Ping
ADDRESS: CHENG, Peih
APPLICANT: KENN, Michael H.
APPLICANT: KENN, Michael H.
TITLE OF INVENTION: Analysis of Hemophilus Bln47 Protein with
TITLE OF INVENTOR: Analysis of Hemophilus Bln47 Protein with
NUMBER OF CLAIMS: 29
CORRESPONDENCE ADDRESS:
ADDRESSEE: SIM & McRathwy
STREET: Suite 701, 480 University Avenue
CITY: Toronto
STATE: Ontario
COUNTRY: Canada
ZIP: M5G 1K9
MEDIUM AVAILABLE FROM:
MEDIUM TYPE: PAPER ONLY
REFERENCES: 199 papers
SERIALS SYSTEM: ISI/BIOSIS
SOFTWARE: Patent In Release #1.0, Version #1.25
COPYRIGHT INFORMATION DATA:
AUTHORITY NUMBER: 02/57172-17
FILING DATE: 07 JUN 1995
CLASSIFICATION: A35
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 05/08/296,145
FILING DATE: 26 AUG 1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 05/08/278,991
FILING DATE: 21 JUL 1994
ALTERNATIVE INFORMATION:
NAME: Stewart, Michael H.
REGISTRATION NUMBER: 24,974
EXAMINATION REPORT NUMBER: 02/57172-17
TELECOMMUNICATION INFORMATION:
TELEPHONE: (416) 595-1155
TELEX: (416) 595-1153
TELEFAX: (416) 595-1153
INFORMATION FOR SERIAL NO.: 15,
SEQUENCE CHARACTERISTICS:
LENGTH: 181 amino acids
TYPE: amino acid
SPAN/ENDNESS: single
PROPERTY: linear
US on 4/2-178-15

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Best Local Similarity 62.0%
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DB 1 1100LAVIMAG-RCSV 17

RESULT 12

US 08 296 149 15
Sequence 15: Application US/0801499
Patent No. 692430

GENERAL INFORMATION:

APPLICANT: LAMBERT, Richard H

APPLICANT: YAN, Yee-Fung

APPLICANT: YAN, Yee-Fung

APPLICANT: YAN, Yee-Fung

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APPLICANT: YAN, Yee-Fung

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APPLICANT: YAN, Yee-Fung

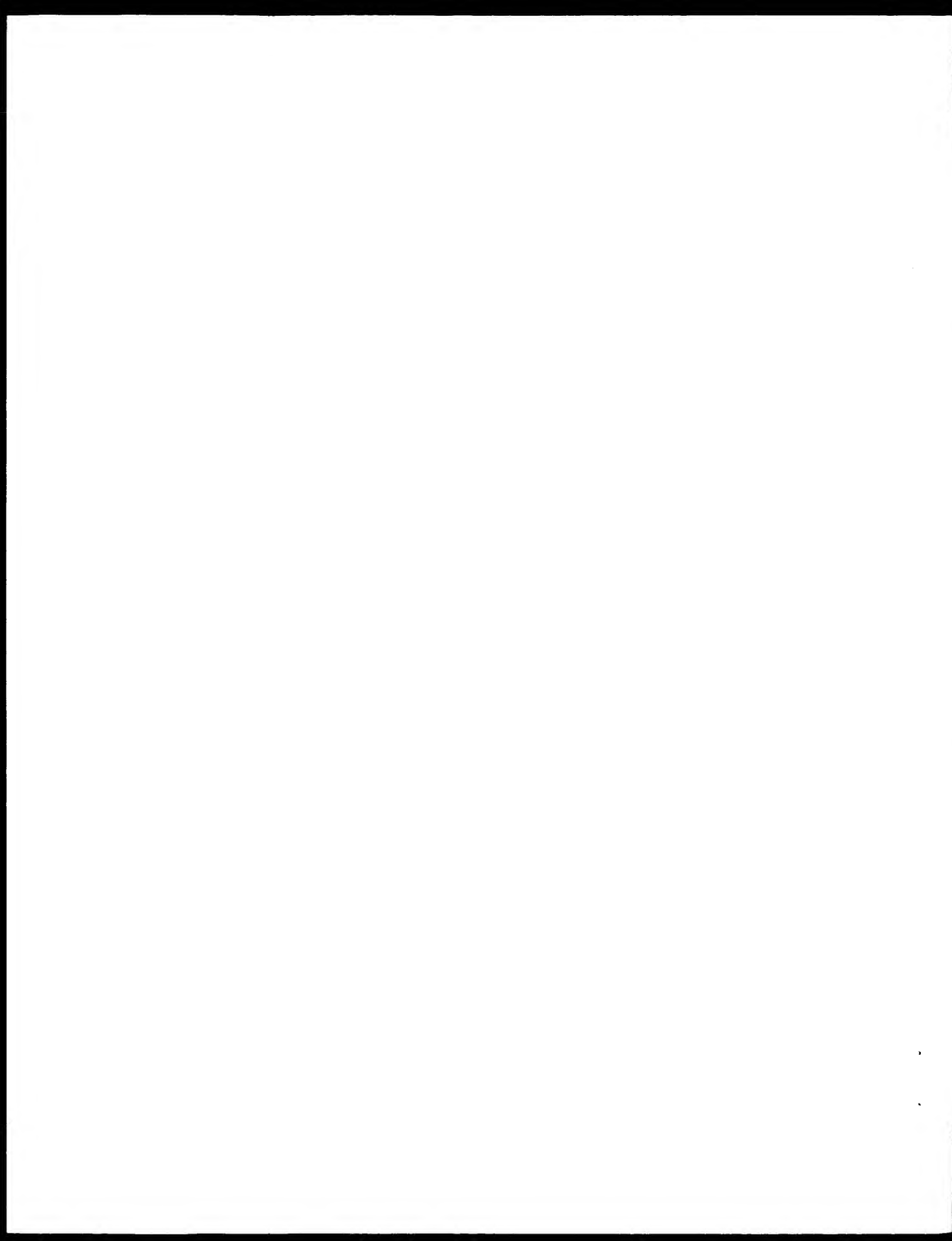
APPLICANT: YAN, Yee-Fung

APPLICANT: YAN, Yee-Fung

APPLICANT: YAN, Yee-Fung

APPLICANT: YAN, Yee-Fung

APPLICANT: YAN, Yee-Fung



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DE 52 DELAYED: 1:

RESULT: 9

US 10-007-805-507

Sequence 507: Application US/10007005

Patent No. US2002/015061A1

GENERAL INFORMATION:

APPLICANT: Jiaoh, Yuhua

APPLICANT: Dillion, David C.

APPLICANT: Mitham, Jennifer L.

APPLICANT: Xie, Huihui

APPLICANT: Bartlett, Susan L.

APPLICANT: Hopler, William L.

APPLICANT: Bradshaw, Robert A.

APPLICANT: Kuntz, Gary W.

APPLICANT: Veselick, Thomas S.

APPLICANT: McNeill, Patricia M.

APPLICANT: Durham, Marquitta

TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY

TITLE OF INVENTION: AND THERAPY

FILE REFERENCE: 2002/0147000

CURRENT APPLICATION NUMBER: 2002/0147000

CURRENT FILING DATE: 2002/12/07

NUMBER OF SEQ. ID NOS: 507

SOFTWARE: FASTSEQ FOR WINDOWS V05.00.4.0

SEQ. ID NO 507

LENGTH: 243

TYPE: PAT

ORGANISM: Homo sapiens

US 10-007-805-507

Query Match: 4099: Score: 4099: 100.00: 100.00: 100.00

Best Local Similarity: 100.00: 100.00: 100.00

Matches: 6: Conserved: 2: Mismatches: 4: Gaps: 0:

QY 4 DELAYED: 1:

DE 52 DELAYED: 1:

RESULT: 9

US 10-007-805-507

Sequence 1547: Application US/1001547

Patent No. US2002/006590A1

GENERAL INFORMATION:

APPLICANT: Basolbeck, Robert

APPLICANT: Johnson, Karl E.

APPLICANT: Zyskind, Judith W.

APPLICANT: Wall, John C.

APPLICANT: Fraker, John D.

APPLICANT: Galt, Brian D.

APPLICANT: Yamamoto, Robert T.

APPLICANT: Xie, Huihui

TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY

TITLE OF INVENTION: PROKATINOS

FILE REFERENCE: EPIGLOTTA

CURRENT APPLICATION NUMBER: 2002/006590

CURRENT FILING DATE: 2001/04/21

PRIOR APPLICATION NUMBER: 60/216,176

PRIOR FILING DATE: 2000/04/21

PRIOR APPLICATION NUMBER: 60/246,338

PRIOR FILING DATE: 2000/05/24

PRIOR APPLICATION NUMBER: 60/237,727

PRIOR FILING DATE: 2000/05/29

PRIOR APPLICATION NUMBER: 60/242,036

PRIOR FILING DATE: 2000/10/24

PRIOR APPLICATION NUMBER: 60/268,421

PRIOR FILING DATE: 2000/11/27

Matches: 6: Conserved: 2: Mismatches: 4: Gaps: 0:

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RESULT: 9

US 10-007-805-507

Sequence 507: Application US/10007005

Patent No. US2002/015061A1

GENERAL INFORMATION:

APPLICANT: Jiaoh, Yuhua

APPLICANT: Dillion, David C.

APPLICANT: Mitham, Jennifer L.

APPLICANT: Xie, Huihui

APPLICANT: Bartlett, Susan L.

APPLICANT: Hopler, William L.

APPLICANT: Bradshaw, Robert A.

APPLICANT: Kuntz, Gary W.

APPLICANT: Veselick, Thomas S.

APPLICANT: McNeill, Patricia M.

APPLICANT: Durham, Marquitta

TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY

TITLE OF INVENTION: AND THERAPY

FILE REFERENCE: 2002/0147000

CURRENT APPLICATION NUMBER: 2002/0147000

CURRENT FILING DATE: 2002/12/07

NUMBER OF SEQ. ID NOS: 507

SOFTWARE: FASTSEQ FOR WINDOWS V05.00.4.0

SEQ. ID NO 507

LENGTH: 243

TYPE: PAT

ORGANISM: Homo sapiens

US 10-007-805-507

Query Match: 4099: Score: 4099: 100.00: 100.00: 100.00

Best Local Similarity: 100.00: 100.00: 100.00

Matches: 6: Conserved: 2: Mismatches: 4: Gaps: 0:

QY 4 DELAYED: 1:

DE 52 DELAYED: 1:

RESULT: 9

US 10-007-805-507

Sequence 1547: Application US/1001547

Patent No. US2002/006590A1

GENERAL INFORMATION:

APPLICANT: Basolbeck, Robert

APPLICANT: Johnson, Karl E.

APPLICANT: Zyskind, Judith W.

APPLICANT: Wall, John C.

APPLICANT: Fraker, John D.

APPLICANT: Galt, Brian D.

APPLICANT: Yamamoto, Robert T.

APPLICANT: Xie, Huihui

TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY

TITLE OF INVENTION: PROKATINOS

FILE REFERENCE: EPIGLOTTA

CURRENT APPLICATION NUMBER: 2002/006590

CURRENT FILING DATE: 2001/04/21

PRIOR APPLICATION NUMBER: 60/216,176

PRIOR FILING DATE: 2000/04/21

PRIOR APPLICATION NUMBER: 60/246,338

PRIOR FILING DATE: 2000/05/24

PRIOR APPLICATION NUMBER: 60/237,727

PRIOR FILING DATE: 2000/05/29

PRIOR APPLICATION NUMBER: 60/242,036

PRIOR FILING DATE: 2000/10/24

PRIOR APPLICATION NUMBER: 60/268,421

PRIOR FILING DATE: 2000/11/27

ALL SEARCHED
IN THE CASE

10-11-02 AND NOTED

1 PRIOR APPLICATION NUMBER: 6/1/99-13
2 PRIOR FILING DATE: 1998-09-16
3 PRIOR APPLICATION NUMBER: 6/2/99-66
4 PRIOR FILING DATE: 1998-09-17
5 PRIOR APPLICATION NUMBER: 6/2/99-86
6 PRIOR FILING DATE: 1998-09-17
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8 PRIOR FILING DATE: 1998-09-24
9 PRIOR APPLICATION NUMBER: 6/2/100-64
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99 PRIOR APPLICATION NUMBER: 6/2/100-64
100 PRIOR FILING DATE: 1998-03-24

US 09 425 000 1266
1 PRIOR FILING DATE: 1999 11 12
2 PRIOR APPLICATION NUMBER: 09/025 412
3 PRIOR FILING DATE: 2000 03 29
4 PRIOR APPLICATION NUMBER: 09/048 915
5 PRIOR FILING DATE: 2000 04 13
6 PRIOR APPLICATION NUMBER: 09/043 451
7 PRIOR FILING DATE: 2000 09 18
8 PRIOR APPLICATION NUMBER: 09/065 056
9 PRIOR FILING DATE: 2000 09 18
10 PRIOR APPLICATION NUMBER: 09/079 248
11 PRIOR FILING DATE: 2000 11 08
12 PRIOR APPLICATION NUMBER: 09/080 015
13 PRIOR FILING DATE: 2001 01 22
14 PRIOR APPLICATION NUMBER: 09/082 729
15 PRIOR FILING DATE: 2001 03 05
16 PRIOR APPLICATION NUMBER: 09/088 089
17 PRIOR FILING DATE: 2001 03 14
18 PRIOR APPLICATION NUMBER: 09/090 208
19 PRIOR FILING DATE: 2001 05 26
20 PRIOR APPLICATION NUMBER: 09/095 534
21 PRIOR FILING DATE: 2001 05 30
22 PRIOR APPLICATION NUMBER: 09/097 200
23 PRIOR FILING DATE: 2001 06 01
24 PRIOR APPLICATION NUMBER: 09/095 372
25 PRIOR FILING DATE: 2001 06 19
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Matches: 72, 100 100 100 100 Mismatches: 47, 100 100 100 100

57 5 GENERAL NUMBER: 15
10 34 GENERAL NUMBER: 44

US 09 425 000 1266
1 Sequence: 1266, Application US/09/025 412
2 Patent No. US20020161681A1
3 GENERAL INFORMATION:
4 APPLICANT: STEVENS ROBOT
5 TITLE OF INVENTION: No. 10, A Lds. Friction and Anti-Back
6 FILE REFERENCE: PA10
7 CURRENT APPLICATION NUMBER: 09/025 412
8 CURRENT FILING DATE: 2001 08 10

US 09 425 000 1266
1 PRIOR FILING DATE: 1999 11 12
2 PRIOR APPLICATION NUMBER: 09/025 412
3 PRIOR FILING DATE: 2000 03 29
4 PRIOR APPLICATION NUMBER: 09/048 915
5 PRIOR FILING DATE: 2000 04 13
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Best Good: Similarity: 41.6% Score: 47, 100 100
Matches: 72, 100 100 100 100 Mismatches: 47, 100 100 100 100

US 09 425 000 1266
1 Sequence: 1266, Application US/09/025 412
2 Patent No. US20020161681A1
3 GENERAL INFORMATION:
4 APPLICANT: HUSSEIN, Robert
5 TITLE OF INVENTION: No. 10, A Lds. Friction and Anti-Back
6 FILE REFERENCE: PA10
7 CURRENT APPLICATION NUMBER: 09/025 412
8 CURRENT FILING DATE: 2001 08 10
9 PRIOR FILING DATE: 2000 03 29
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Query Match: 41.6% Score: 47, 100 100 Length: 117
Best Good: Similarity: 41.6% Score: 47, 100 100
Matches: 72, 100 100 100 100 Mismatches: 47, 100 100 100 100

United Nations Security Council
New York, New York
March 9, 2002

Dear Sirs:



US-09-779-323-2.rapm
 Title of Invention: THEREOF
 File Reference: 2000-200
 Current Applicant: N. 2000-200
 Current Filing Date: 2000-01-20
 Number of SEQ ID NOs: 100
 Software: FASIM 100 Windows Version 4.0
 SEQ ID NO: 101
 Length: 182
 Type: PRI
 Organism: HUMAN
 Feature:
 Name/Key: VALUANT
 Location: (1) (100)
 Other Information: N. 2000-200
 US-09-779-323-2.rapm

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US-09-779-323-2.rapm

US-09-779-323-2.rapm
 Title of Invention: THEREOF
 File Reference: 2000-200
 Current Applicant: N. 2000-200
 Current Filing Date: 2000-01-20
 Number of SEQ ID NOs: 100
 Software: FASIM 100 Windows Version 4.0
 SEQ ID NO: 101
 Length: 182
 Type: PRI
 Organism: HUMAN
 Feature:
 Name/Key: VALUANT
 Location: (1) (100)
 Other Information: N. 2000-200
 US-09-779-323-2.rapm

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US-09-779-323-2.rapm

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US-09-779-323-2.rapm

US-09-779-323-2.rapm
 Title of Invention: THEREOF
 File Reference: 2000-200
 Current Applicant: N. 2000-200
 Current Filing Date: 2000-01-20
 Number of SEQ ID NOs: 100
 Software: FASIM 100 Windows Version 4.0
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 Length: 182
 Type: PRI
 Organism: HUMAN
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 Name/Key: VALUANT
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 Other Information: N. 2000-200
 US-09-779-323-2.rapm

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US-09-779-323-2.rapm

US-09-779-323-2.rapm
 Title of Invention: THEREOF
 File Reference: 2000-200
 Current Applicant: N. 2000-200
 Current Filing Date: 2000-01-20
 Number of SEQ ID NOs: 100
 Software: FASIM 100 Windows Version 4.0
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 Length: 182
 Type: PRI
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 Other Information: N. 2000-200
 US-09-779-323-2.rapm

US-09-779-323-2.rapm
 Title of Invention: THEREOF
 File Reference: 2000-200
 Current Applicant: N. 2000-200
 Current Filing Date: 2000-01-20
 Number of SEQ ID NOs: 100
 Software: FASIM 100 Windows Version 4.0
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 Type: PRI
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 Location: (1) (100)
 Other Information: N. 2000-200
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1  APPLICANT: Bionomics, Inc.
2  TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
3  FILE REFERENCE: 2001-04-06
4  TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
5  PRIOR APPLICATION DATA: 2001-04-06
6  PRIOR APPLICATION DATA: 2001-04-06
7  SOFTWARE: Patent In Ver. 2.0
8  SEQ ID NO: 1410
9  LENGTH: 486
10 TYPE: PRT
11 ORGANISM: Homo sapiens
12 FEATURES:
13 NAME/KEY: C141
14 LOCATION: (29)
15 OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
16 NAME/KEY: C141
17 LOCATION: (30)
18 OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
19 NAME/KEY: SITE
20 NAME/KEY: SITE
21 LOCATION: (34)
22 OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
23 NAME/KEY: SITE
24 LOCATION: (34)
25 OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
26 OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
27 OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
28 09-791 547 1-624

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Query Match: 51.7% Score 46; 100.0% Length 486;
Best Local Similarity: 58.0% Pred. No. 2,366;
Matches: 7; Conservative: 3; Mismatches: 2; Indels: 0; Gaps: 0;

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RESULT 14
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2  Sequence: 142; Application: P7/US0210924
3  GENERAL INFORMATION:
4  APPLICANT: Bionomics, Inc.
5  TITLE OF INVENTION: Proteins, Peptides, and Expression Profiles
6  FILE REFERENCE: 2001-04-06
7  CURRENT APPLICATION NUMBER: 2001-04-06
8  PRIOR APPLICATION NUMBER: 2001-04-06
9  PRIOR APPLICATION NUMBER: 2001-04-06
10 PRIOR APPLICATION NUMBER: 2001-04-06
11 PRIOR APPLICATION NUMBER: 2001-04-06
12 NUMBER OF SEQ ID NOS: 211
13 SOFTWARE: Patent In Ver. 2.0
14 SEQ ID NO: 142
15 LENGTH: 424
16 TYPE: PRT
17 ORGANISM: Homo sapiens
18 09-791 10924 142

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Best Local Similarity: 58.0% Pred. No. 2,366;
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RESULT 12
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3  GENERAL INFORMATION:
4  APPLICANT: Bionomics, Inc.
5  TITLE OF INVENTION: Proteins, Peptides, and Expression Profiles
6  FILE REFERENCE: 2001-04-06
7  CURRENT APPLICATION NUMBER: 2001-04-06
8  PRIOR APPLICATION NUMBER: 2001-04-06
9  PRIOR APPLICATION NUMBER: 2001-04-06
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11 PRIOR APPLICATION NUMBER: 2001-04-06
12 NUMBER OF SEQ ID NOS: 211
13 SOFTWARE: Patent In Ver. 2.0
14 SEQ ID NO: 142
15 LENGTH: 424
16 TYPE: PRT
17 ORGANISM: Homo sapiens
18 09-791 10924 142

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1  APPLICANT: Bionomics, Inc.
2  TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
3  FILE REFERENCE: 2001-04-06
4  TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
5  PRIOR APPLICATION DATA: 2001-04-06
6  PRIOR APPLICATION DATA: 2001-04-06
7  SOFTWARE: Patent In Ver. 2.0
8  SEQ ID NO: 1410
9  LENGTH: 486
10 TYPE: PRT
11 ORGANISM: Homo sapiens
12 FEATURES:
13 NAME/KEY: C141
14 LOCATION: (29)
15 OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
16 NAME/KEY: C141
17 LOCATION: (30)
18 OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
19 NAME/KEY: SITE
20 NAME/KEY: SITE
21 LOCATION: (34)
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24 OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
25 OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
26 OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
27 OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
28 09-791 547 1-624

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Query Match: 51.7% Score 46; 100.0% Length 486;
Best Local Similarity: 58.0% Pred. No. 2,366;
Matches: 7; Conservative: 3; Mismatches: 2; Indels: 0; Gaps: 0;

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2  Sequence: 142; Application: P7/US0210924
3  GENERAL INFORMATION:
4  APPLICANT: Bionomics, Inc.
5  TITLE OF INVENTION: Proteins, Peptides, and Expression Profiles
6  FILE REFERENCE: 2001-04-06
7  CURRENT APPLICATION NUMBER: 2001-04-06
8  PRIOR APPLICATION NUMBER: 2001-04-06
9  PRIOR APPLICATION NUMBER: 2001-04-06
10 PRIOR APPLICATION NUMBER: 2001-04-06
11 PRIOR APPLICATION NUMBER: 2001-04-06
12 NUMBER OF SEQ ID NOS: 211
13 SOFTWARE: Patent In Ver. 2.0
14 SEQ ID NO: 142
15 LENGTH: 424
16 TYPE: PRT
17 ORGANISM: Homo sapiens
18 09-791 10924 142

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Query Match: 51.7% Score 46; 100.0% Length 424;
Best Local Similarity: 58.0% Pred. No. 2,366;
Matches: 7; Conservative: 3; Mismatches: 2; Indels: 0; Gaps: 0;

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95 3 110GAYIMDGP 14
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97 3 110GAYIMDGP 14
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RESULT 12
1  SEQID: 10924 142
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3  GENERAL INFORMATION:
4  APPLICANT: Bionomics, Inc.
5  TITLE OF INVENTION: Proteins, Peptides, and Expression Profiles
6  FILE REFERENCE: 2001-04-06
7  CURRENT APPLICATION NUMBER: 2001-04-06
8  PRIOR APPLICATION NUMBER: 2001-04-06
9  PRIOR APPLICATION NUMBER: 2001-04-06
10 PRIOR APPLICATION NUMBER: 2001-04-06
11 PRIOR APPLICATION NUMBER: 2001-04-06
12 NUMBER OF SEQ ID NOS: 211
13 SOFTWARE: Patent In Ver. 2.0
14 SEQ ID NO: 142
15 LENGTH: 424
16 TYPE: PRT
17 ORGANISM: Homo sapiens
18 09-791 10924 142

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10/11/00

10/11/00

10/11/00

10/11/00

10/11/00

10/11/00

10/11/00

10/11/00

10/11/00

10/11/00

10/11/00



Query Match
Best Local Similarity 45.6% Score 49.136% Local 45.6%
Matches 5: Conserved 4: Mismatch 2: Gaps 0

QY 3 HIGHLAY:MG 14
DB 26.2 VLDMMVVAL 27.2

RESULT 12
US-09-724-676-50946
Sequence 50947, Application US/09/24676
GENERAL INFORMATION:
APPLICANT: Compugen Ltd.
TITLE OF INVENTION: Variants of altered in specificity
FILE REFERENCE: 12918.14 Compugen
CURRENT APPLICATION NUMBER: US/09/24676
CURRENT FILING DATE: 2000.11.28
NUMBER OF SEQ ID NOS: 97222
SOFTWARE: Patent in version 4.2
SEQ ID NO: 50947
LENGTH: 506
TYPE: PRT
ORGANISM: Homo sapiens
US-09-724-676-50947

Query Match
Best Local Similarity 45.6% Score 49.136% Local 45.6%
Matches 5: Conserved 4: Mismatch 2: Gaps 0

QY 3 HIGHLAY:MG 14
DB 26.2 VLDMMVVAL 27.2

RESULT 13
US-09-724-676-50946
Sequence 50948, Application US/09/24676
GENERAL INFORMATION:
APPLICANT: Compugen Ltd.
TITLE OF INVENTION: Variants of altered in specificity
FILE REFERENCE: 12918.14 Compugen
CURRENT APPLICATION NUMBER: US/09/24676
CURRENT FILING DATE: 2000.11.28
NUMBER OF SEQ ID NOS: 97222
SOFTWARE: Patent in version 4.2
SEQ ID NO: 50948
LENGTH: 506
TYPE: PRT
ORGANISM: Homo sapiens
US-09-724-676-50946

Query Match
Best Local Similarity 45.6% Score 49.136% Local 45.6%
Matches 5: Conserved 4: Mismatch 2: Gaps 0

QY 3 HIGHLAY:MG 14
DB 26.2 VLDMMVVAL 27.2

RESULT 14
US-09-724-676-50946
Sequence 50946, Application US/09/24676
GENERAL INFORMATION:
APPLICANT: Compugen Ltd.
TITLE OF INVENTION: Variants of altered in specificity
FILE REFERENCE: 12918.14 Compugen
CURRENT APPLICATION NUMBER: US/09/24676
CURRENT FILING DATE: 2000.11.28
NUMBER OF SEQ ID NOS: 97222
SOFTWARE: Patent in version 4.2

1 SEQ ID NO 50946
 2 LENGTH: 604
 3 TYPE: DNA
 4 ORGANISM: Homo sapiens
 5 US 09/724,676A 50946

Query Match: 45.88% Score: 99; 100 51; Length: 604
 Best Local Similarity: 45.59% Prod. No. 1,800,024
 Matches: 5; Conservative: 4; Mismatches: 2; Indels: 0; Gaps: 0;

QY 5 TTAGGAYTGGT 13
 1111111111
 16 262 VLDGMYVATGG 272

RESULT 13

US 09/724,676A 50947
 1 Sequence: 50947, Application US/09/724,676A
 2 GENERAL INFORMATION:
 3 APPLICANT: Compugen Ltd.

4 TITLE OF INVENTION: Variants of alternative splicing

5 FILE REFERENCE: 129181.4 Compugen

6 CURRENT APPLICATION NUMBER: 09/724,676A

7 CURRENT FILING DATE: 2000 11 28

8 NUMBER OF SEQ ID NOS: 17222

9 SOFTWARE: Patent In Version 3.2

10 SEQ ID NO 50947

11 LENGTH: 604

12 TYPE: DNA

13 ORGANISM: Homo sapiens

14 US 09/724,676A 50947

Query Match: 45.88% Score: 99; 100 51; Length: 604
 Best Local Similarity: 45.59% Prod. No. 1,800,024
 Matches: 5; Conservative: 4; Mismatches: 2; Indels: 0; Gaps: 0;

QY 5 TTAGGAYTGGT 13
 1111111111
 16 262 VLDGMYVATGG 272

RESULT 14

US 09/724,676A 50948
 1 Sequence: 50948, Application US/09/724,676A
 2 GENERAL INFORMATION:
 3 APPLICANT: Compugen Ltd.

4 TITLE OF INVENTION: Variants of alternative splicing

5 FILE REFERENCE: 129181.4 Compugen

6 CURRENT APPLICATION NUMBER: 09/724,676A

7 CURRENT FILING DATE: 2000 11 28

8 NUMBER OF SEQ ID NOS: 17222

9 SOFTWARE: Patent In Version 3.2

10 SEQ ID NO 50948

11 LENGTH: 604

12 TYPE: DNA

13 ORGANISM: Homo sapiens

14 US 09/724,676A 50948

Query Match: 45.88% Score: 99; 100 51; Length: 604
 Best Local Similarity: 45.58% Prod. No. 1,800,024
 Matches: 5; Conservative: 4; Mismatches: 2; Indels: 0; Gaps: 0;

QY 5 TTAGGAYTGGT 13
 1111111111
 16 262 VLDGMYVATGG 272

RESULT 15

US 09/724,676A 50949
 1 Sequence: 50949, Application US/09/724,676A
 2 GENERAL INFORMATION:
 3 APPLICANT: Compugen Ltd.

4 TITLE OF INVENTION: Variants of alternative splicing

5 FILE REFERENCE: 129181.4 Compugen
 6 CURRENT APPLICATION NUMBER: 09/724,676A
 7 CURRENT FILING DATE: 2000 11 28
 8 NUMBER OF SEQ ID NOS: 17222
 9 SOFTWARE: Patent In Version 3.2

10 SEQ ID NO 50949

11 LENGTH: 604

12 TYPE: DNA

13 ORGANISM: Homo sapiens

14 US 09/724,676A 50949

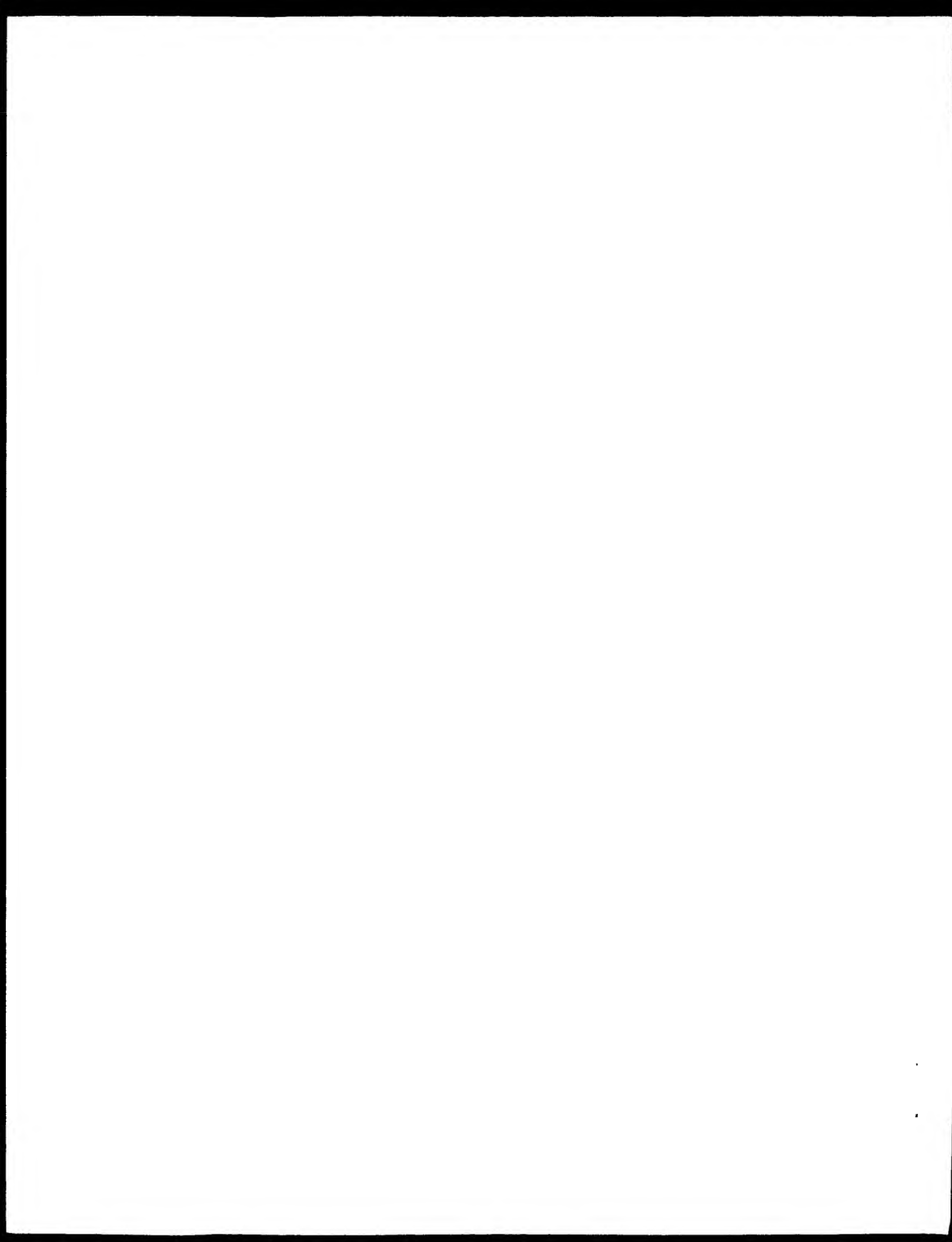
Query Match: 45.88% Score: 99; 100 51; Length: 604
 Best Local Similarity: 45.59% Prod. No. 1,800,024
 Matches: 5; Conservative: 4; Mismatches: 2; Indels: 0; Gaps: 0;

QY 5 TTAGGAYTGGT 13
 1111111111
 16 262 VLDGMYVATGG 272

Search completed: 1/2/2002 10:00:00
 Total time: 1.99624 secs

15-JUN-2002 (rel. 4), last annotation update)
 GN Hypothetical protein ypbO.
 OS Bacillus subtilis.
 OC Bacteria; Firmicutes; Bacillales; Bacillaceae; Bacillinae
 GX NCBI_TaxID:1423;
 RN [1]
 RP SEQUENCE FROM N.A.
 RC STRAIN 168 / JH642;
 RX MEDLINE 95214995; PubMed 7704261;
 RA Takemura K., I., Mizuno M., Goto T., Takeuchi M., Kobayashi Y.,
 R1 "Complete nucleotide sequence of a skin element excised by DNA
 R2 rearrangement during sporulation in *Bacillus subtilis*,"
 RL Microbiology 141:323-327(1995).
 RN [2]
 RP SEQUENCE FROM N.A.
 RC STRAIN 168 / JH642;
 RX MEDLINE 97124195; PubMed 8969508;
 RA Mizuno M., Masuda S., Takemura K., I., Mizuno T., Goto T., Takeuchi M.,
 RA Kobayashi Y.,
 R1 "Systematic sequencing of the 283 kb zln-deletes 232-deletes region of
 R2 the *Bacillus subtilis* genome containing the skin element and many
 R3 sporulation genes,"
 RL Microbiology 142:3103-3111(1996).
 RN [3]
 RP SEQUENCE FROM N.A.
 RC STRAIN 168;
 RX MEDLINE 98044933; PubMed 9484877;
 RA Kunst F., Ogasawara N., Moszer I., Albertini A.M., Alloni G.,
 RA Anvold V., Bertram E., Borker M., Boyer J., Bressan R., Brette M.,
 RA Bricelj E., Bressan C., Bressan M., Bressan R., Bressan S., Bressan S.,
 RA Brouillet S., Bruschi C.V., Caldwell R., Cupano V., Carter N.M.,
 RA Choi S.K., Codani J.J., Conterio L.F., Cummings N.J., Danhof K.A.,
 RA Denizot F., Devine F.M., Dusterhoft A., Elliot S.L., Emerson F.P.,
 RA Enlian K.B., Frimington J., Gabriel C., Gortner E., Gortner E.,
 RA Fritz G., Fujita M., Fujita Y., Gama S., Gellera A., Gellera N.,
 RA Gilm S.V., Glaser P., Gottesman A., Guldberg F., Guldberg S.,
 RA Guregg P., Guregg P., Guregg P., Guregg P., Guregg P., Guregg P.,
 RA Hiltner H., Hiltner H., Hiltner H., Hiltner H., Hiltner H., Hiltner H.,
 RA Kabisch B., Kabisch B., Kabisch B., Kabisch B., Kabisch B., Kabisch B.,
 RA Kobayashi Y., Kabisch B., Kabisch B., Kabisch B., Kabisch B., Kabisch B.,
 RA Kurita K., Kurita K., Kurita K., Kurita K., Kurita K., Kurita K.,
 RA Lee S.M., Lee S.M., Lee S.M., Lee S.M., Lee S.M., Lee S.M.,
 RA Medina N., Medina N., Medina N., Medina N., Medina N., Medina N.,
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 RA Presescu E., Presescu E., Presescu E., Presescu E., Presescu E., Presescu E.,
 RA Rieger M., Rieger M., Rieger M., Rieger M., Rieger M., Rieger M.,
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 RA Sakiyama H., Sakiyama H., Sakiyama H., Sakiyama H., Sakiyama H., Sakiyama H.,
 RA Sorokin A., Sorokin A., Sorokin A., Sorokin A., Sorokin A., Sorokin A.,
 RA Takeuchi M., Takeuchi M., Takeuchi M., Takeuchi M., Takeuchi M., Takeuchi M.,
 RA Totsuka V., Totsuka V., Totsuka V., Totsuka V., Totsuka V., Totsuka V.,
 RA Viari A., Viari A., Viari A., Viari A., Viari A., Viari A.,
 RA Winters E., Winters E., Winters E., Winters E., Winters E., Winters E.,
 RA Yoshida E., Yoshida E., Yoshida E., Yoshida E., Yoshida E., Yoshida E.,
 R1 "The complete genome sequence of the Gram positive bacterium *Bacillus*
 R2 *subtilis*,"
 RL Nature 390:249-256(1997).
 RN [4]
 RP IDENTIFICATION
 RX MEDLINE 96384975; PubMed 7489895;
 RA Medigue C., Moszer I., Viari A., Takeuchi M.,
 R1 "Analysis of a *Bacillus subtilis* genome fragment isolated from a sporulated
 R2 computer system prototype,"
 RL Gene 165:67-77(1995).
 CC 1. SIMILARITY: SIMILARITY TO B. SUBTILIS: 88%
 CC
 CC This SWISS-prot entry is copyright. It is prepared through a collaboration
 CC between the Swiss Institute of Bioinformatics and the EMBL outstation
 CC the European Bioinformatics Institute. There are no restrictions on its
 CC use by non-profit institutions as long as its content is in no way
 CC modified and this statement is not removed, altered by and not commercial

15-JUN-2002 (rel. 4), last annotation update)
 GN Hypothetical protein ypbO.
 OS Bacillus subtilis.
 OC Bacteria; Firmicutes; Bacillales; Bacillaceae; Bacillinae
 GX NCBI_TaxID:1423;
 RN [1]
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 R1 "Complete nucleotide sequence of a skin element excised by DNA
 R2 rearrangement during sporulation in *Bacillus subtilis*,"
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 RA Kobayashi Y.,
 R1 "Systematic sequencing of the 283 kb zln-deletes 232-deletes region of
 R2 the *Bacillus subtilis* genome containing the skin element and many
 R3 sporulation genes,"
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 RA Bricelj E., Bressan C., Bressan M., Bressan R., Bressan S., Bressan S.,
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 RA Hiltner H., Hiltner H., Hiltner H., Hiltner H., Hiltner H., Hiltner H.,
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 RA Nogue D., Nogue D., Nogue D., Nogue D., Nogue D., Nogue D.,
 RA Nogue D., Nogue D., Nogue D., Nogue D., Nogue D., Nogue D.,
 RA Presescu E., Presescu E., Presescu E., Presescu E., Presescu E., Presescu E.,
 RA Rieger M., Rieger M., Rieger M., Rieger M., Rieger M., Rieger M.,
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 RA Sakiyama H., Sakiyama H., Sakiyama H., Sakiyama H., Sakiyama H., Sakiyama H.,
 RA Sorokin A., Sorokin A., Sorokin A., Sorokin A., Sorokin A., Sorokin A.,
 RA Takeuchi M., Takeuchi M., Takeuchi M., Takeuchi M., Takeuchi M., Takeuchi M.,
 RA Totsuka V., Totsuka V., Totsuka V., Totsuka V., Totsuka V., Totsuka V.,
 RA Viari A., Viari A., Viari A., Viari A., Viari A., Viari A.,
 RA Winters E., Winters E., Winters E., Winters E., Winters E., Winters E.,
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 CC
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 CC the European Bioinformatics Institute. There are no restrictions on its
 CC use by non-profit institutions as long as its content is in no way
 CC modified and this statement is not removed, altered by and not commercial





an animal feed, to improve its nutritional value and in the treatment of vegetable proteins. The feed composition is useful for feeding animals, including humans, ruminants and non ruminants i.e. monogastric animals (e.g. pigs) poultry and fish. The stomach of monogastric animals and many fish exhibit a strongly acid pH. However, most protein digestion occurs in the small intestine. Provided is a feed composition which comprises an acid stable protease that can survive passage through the stomach. The present sequence is the N-terminal sequence from an acid stable protease from *Neuradiopsis alba*.

Sequence 17 AA:

Query Match 100.0%; Score 89; DB 22; Length 17;
Best local similarity 136.6%, Pred. No. 4, 2, 3;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ARI103LAYIMKRCV 17
IIIIIIIIIIIIIIIIIIII

DB 1 adliqlaylmqrsv 17

RESULT 2

AAW24565
AAW24565 standard, protein, 188 AA.

AC AAW24565

DE 19 MAY 1997 (first entry)

DE Neuradiopsis sp. proteolytic protein.

DE Proteolytic protein, detergent additive, wash liquid, bleaching.

DE Neuradiopsis sp.

AA DK6600013 A.

XX 09 JAN 1996.

XX 09 JAN 1996, 963K 090014.

XX 09 JAN 1996; 966K 000014.

PA (NAW) NAW: N68D13K A2.

P1 Borchert TV, Ehrlich SB, Borchert L, Ehrlich S;

XX MP1; 1996; 194699/20.

DE N 134P, 5/22/97.

XX Novel DNA constructs encoding proteolytic enzymes - also recombinant P1 vectors and host cells comprising the DNA, useful for prepn. of the enzymes

XX claim 14; Page 21-22; 27pp; English.

XX This sequence represents a novel proteolytic protein isolated from Neuradiopsis sp. strain 196 HPS, 19252. This protein may be used in detergent additives or compositions of wash liquids comprising specific bleaching systems.

Sequence 188 AA:

Query Match 100.0%; Score 89; DB 17; Length 188;
Best local similarity 136.6%, Pred. No. 5, 1, 0;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ARI103LAYIMKRCV 17
IIIIIIIIIIIIIIIIIIII

DB 1 adliqlaylmqrsv 17

RESULT 3

AAW24565
AAW24565 standard, protein, 188 AA.

AC AAW24565

DE 24 OCT 2001 (first entry)

DE Neuradiopsis sp. acid stable protease.

DE Acid stable protease; animal feed; nutrition; monogastric animals; ruminant.

XX Neuradi-4-513-07; NREL 19462.

XX W0200158276 A2.

XX 16 AUG 2001.

XX 05 FEB 2001; 2001W04901153.

XX 08 FEB 2000; 2000W04900200.

XX (first) HETEMARK LA K2488 & 25 AG F.

XX Oosterwaard PR, Sjoelholm C;

XX W01; 2001 182930/53.

XX Use of acid stable protease for producing a feed composition

XX claim 1, Page 48, 49pp; English.

XX The invention relates to the use of at least one acid stable protease in animal feed to improve its nutritive value and in the treatment of vegetable proteins. The feed composition is useful for feeding animals, including humans, ruminants and non ruminants i.e. monogastric animals (e.g. pigs) poultry and fish. The stomach of monogastric animals and many fish exhibit a strongly acid pH. However, most protein digestion occurs in the small intestine. Provided is a feed composition which comprises an acid stable protease that can survive passage through the stomach. The present sequence is an acid stable protease from Neuradiopsis sp. NREL 19262.

XX Sequence 188 AA:

Query Match 100.0%; Score 89; DB 22; Length 188;
Best local similarity 136.6%, Pred. No. 5, 1, 0;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ARI103LAYIMKRCV 17

DB 1 adliqlaylmqrsv 17

RESULT 4

AAW24565
AAW24565 standard, protein, 181 AA.

AC AAW24565

DE 09 NOV 1997 (first entry)

DE Serine protease N terminal sequence.

XX Serine protease; N terminal; Streptomyces; protein; purification; protease; cleaning composition; laundry detergent; addition composition; enzyme; dishwasher detergent; drain opener; area; contact lens cleaner; proteinaceous stain.

XX Streptomyces strains variety 1001-1010; No. 04.

CURRENT APPLICANT NAME:
 APPLICATION NUMBER: 02/278,091
 FILING DATE: 21-JUL-1994
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/296,149
 FILING DATE: 26-AUG-1994
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/278,091
 FILING DATE: 21-JUL-1994
 APPLICATION INFORMATION:
 NAME: STEWART, MICHAEL I.
 REGISTRATION NUMBER: 24,974
 TELEPHONE: (416) 595-1163
 TELEFAX: (416) 595-1163
 INVENTOR: 022-11-001-11
 SEQUENCE CHARACTERISTICS:
 LENGTH: 181 amino acids
 TYPE: amino acid
 STRAN-ADDRESS: single
 TOPLOGY: linear
 US 08 482 816 15

Query Match: 44.44% Score 89.53, Id 1, Length 181
 Best Local Similarity: 62.5%, Prod. No. 29
 Matches: 101 conservative 1, Mismatches: 4, Indels: 1, Gaps: 1

97 5 11-CHARACTER KEY 17
 140 1 1-AMPHIPHILIC 16

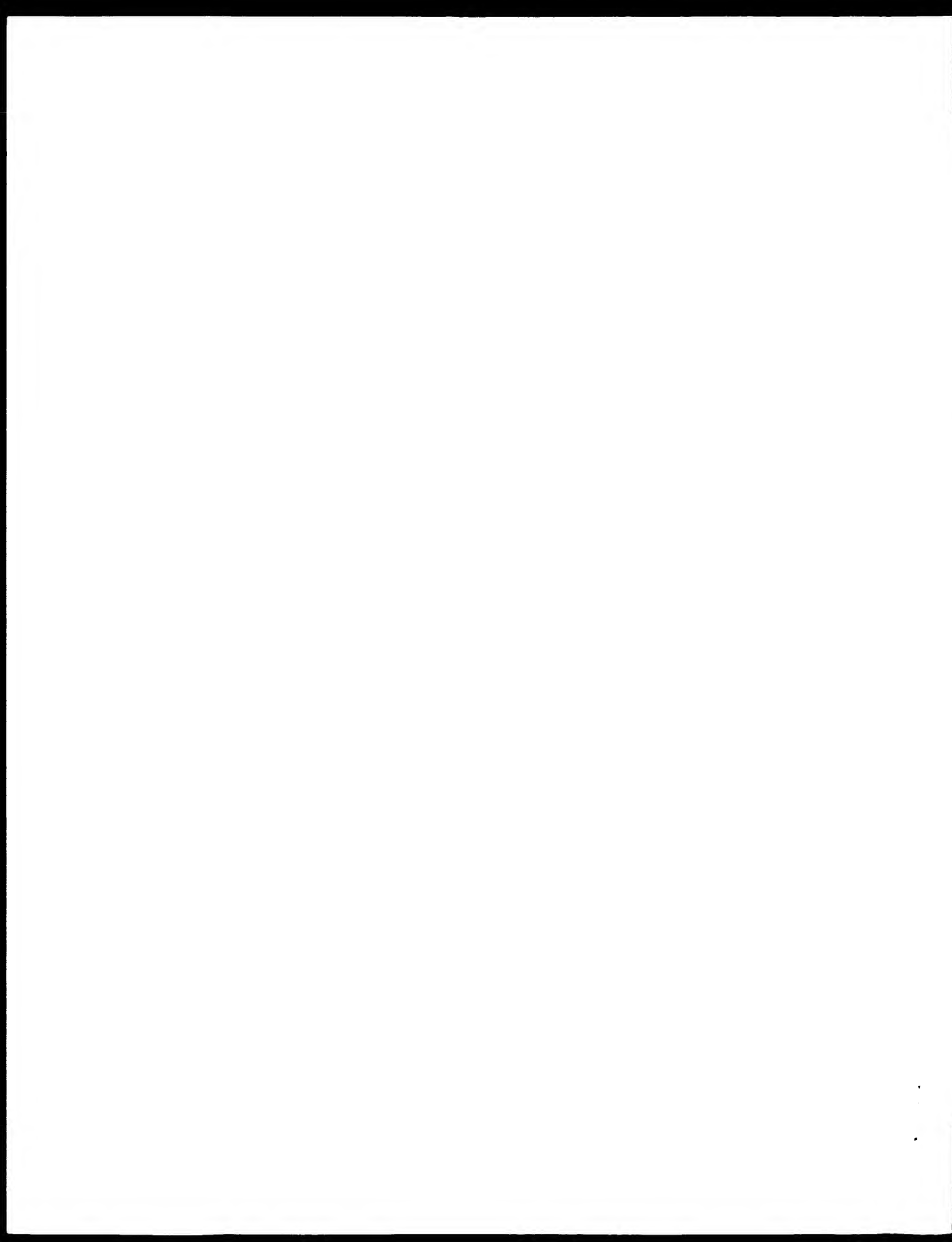
RESULT 8
 US 08 482-816-15
 Sequence 15, Application US/08482816
 Patent No. 5945574
 GENERAL INFORMATION:
 APPLICANT: LEASMORE, Sharon M.
 APPLICANT: YANG, Yan Ping
 APPLICANT: CHENG, Pele
 APPLICANT: GEMEN, Raymond P.
 APPLICANT: KLEIN, Michael H.
 TITLE OF INVENTION: Analysis of Bacophilus Hinf7 protein with reduced protease activity
 NUMBER OF SEQUENCES: 24
 CORRESPONDENT ADDRESS:
 ADDRESSEE: SIM & MORRISON
 STREET: Suite 701, 330 University Avenue
 CITY: Toronto
 STATE: Ontario
 COUNTRY: Canada
 ZIP: M5G 1R7
 COMPUTER READABLE FORM:
 MEDIUM TYPE: floppy disk
 COMPUTER: IBM pc compatible
 OPERATING SYSTEM: PC DOS/MS DOS
 SOFTWARE: Patent In Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: 02/278,091
 FILING DATE: 21-JUL-1994
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/296,149
 FILING DATE: 26-AUG-1994
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/278,091
 FILING DATE: 21-JUL-1994
 APPLICATION INFORMATION:
 NAME: STEWART, MICHAEL I.
 REGISTRATION NUMBER: 24,974
 TELEPHONE: (416) 595-1163
 TELEFAX: (416) 595-1163
 INVENTOR: 022-11-001-11
 SEQUENCE CHARACTERISTICS:
 LENGTH: 181 amino acids
 TYPE: amino acid
 STRAN-ADDRESS: single
 TOPLOGY: linear
 US 08 482 816 15

CURRENT APPLICANT NAME:
 APPLICATION NUMBER: 02/278,091
 FILING DATE: 21-JUL-1994
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/296,149
 FILING DATE: 26-AUG-1994
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/278,091
 FILING DATE: 21-JUL-1994
 APPLICATION INFORMATION:
 NAME: STEWART, MICHAEL I.
 REGISTRATION NUMBER: 24,974
 TELEPHONE: (416) 595-1163
 TELEFAX: (416) 595-1163
 INVENTOR: 022-11-001-11
 SEQUENCE CHARACTERISTICS:
 LENGTH: 181 amino acids
 TYPE: amino acid
 STRAN-ADDRESS: single
 TOPLOGY: linear
 US 08 482 816 15

Query Match: 44.44% Score 89.53, Id 1, Length 181
 Best Local Similarity: 62.5%, Prod. No. 29
 Matches: 101 conservative 1, Mismatches: 4, Indels: 1, Gaps: 1

97 5 11-CHARACTER KEY 17
 140 1 1-AMPHIPHILIC 16

RESULT 9
 US 08 482-816-15
 Sequence 15, Application US/08482816
 Patent No. 5945574
 GENERAL INFORMATION:
 APPLICANT: LEASMORE, Sharon M.
 APPLICANT: YANG, Yan Ping
 APPLICANT: CHENG, Pele
 APPLICANT: GEMEN, Raymond P.
 APPLICANT: KLEIN, Michael H.
 TITLE OF INVENTION: Analysis of Bacophilus Hinf7 protein with reduced protease activity
 NUMBER OF SEQUENCES: 24
 CORRESPONDENT ADDRESS:
 ADDRESSEE: SIM & MORRISON
 STREET: Suite 701, 330 University Avenue
 CITY: Toronto
 STATE: Ontario
 COUNTRY: Canada
 ZIP: M5G 1R7
 COMPUTER READABLE FORM:
 MEDIUM TYPE: floppy disk
 COMPUTER: IBM pc compatible
 OPERATING SYSTEM: PC DOS/MS DOS
 SOFTWARE: Patent In Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: 02/278,091
 FILING DATE: 21-JUL-1994
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/296,149
 FILING DATE: 26-AUG-1994
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/278,091
 FILING DATE: 21-JUL-1994
 APPLICATION INFORMATION:
 NAME: STEWART, MICHAEL I.
 REGISTRATION NUMBER: 24,974
 TELEPHONE: (416) 595-1163
 TELEFAX: (416) 595-1163
 INVENTOR: 022-11-001-11
 SEQUENCE CHARACTERISTICS:
 LENGTH: 181 amino acids
 TYPE: amino acid
 STRAN-ADDRESS: single
 TOPLOGY: linear
 US 08 482 816 15




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1  ORGANISM: Homo sapiens
2  FEATURE:
3  NAME/KEY: SITE
4  LOCATION: (29)
5  OTHER INFORMATION: Xaa equals any of the naturally occurring L amino acids
6  NAME/KEY: SITE
7  LOCATION: (49)
8  OTHER INFORMATION: Xaa equals any of the naturally occurring L amino acids
9  NAME/KEY: SITE
10 LOCATION: (100)
11 OTHER INFORMATION: N: Xaa equals any of the naturally occurring L amino acids
12 NAME/KEY: SITE
13 LOCATION: (194)
14 OTHER INFORMATION: N: Xaa equals any of the naturally occurring L amino acids
15 NAME/KEY: SITE
16 LOCATION: (215)
17 OTHER INFORMATION: N: Xaa equals any of the naturally occurring L amino acids
18 US 09/764,902-1476
19
20 Query Match
21 Best Local Similarity: 65.0% 25 to 45 25 to 45 25 to 45
22 Matches: 7: Conservative 4: Mismatches 2: Gaps 0
23
24 QY 4 HIGHLYHYDRO 14
25 111 1 111
26 288 VV91:YAV99 244
27
28 RESULT
29 P01 US01-08641-40096
30 Sequence 48000: Application P01US0108641
31 GENERAL INFORMATION:
32 APPLICANT: HYSON, INC
33 TITLE OF INVENTION: REVELATION OF THE NATURE AND FUNCTION OF
34 FILE REFERENCE: 21272649
35 CURRENT APPLICATION NUMBER: P01US0108641
36 PRIOR FILING DATE: 2000-08-24
37 PRIOR APPLICATION NUMBER: 09/649,167
38 PRIOR FILING DATE: 2000-08-24
39 NUMBER OF SEQ ID NOS: 60706
40 SOFTWARE: Custom
41 SEQ ID NO: 48009
42 LENGTH: 112
43 TYPE: LPI
44 ORGANISM: Homo sapiens
45 FEATURE:
46 NAME/KEY: misc feature
47 LOCATION: (1)...(112)
48 OTHER INFORMATION: Xaa Xaa * as defined in Table 2
49 P01 US01-08641-40096
50
51 Query Match
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53 Matches: 7: Conservative 4: Mismatches 2: Gaps 0
54
55 QY 5 GGLAYIMV369 15
56 111 1 111
57 85 GGLFWV369 95
58
59 RESULT
60 P01 US01-08641-40096
61 Sequence 48: Application P01US0108641
62 GENERAL INFORMATION:
63 APPLICANT: Hyson, Susan Carol
64 APPLICANT: HILL, William D.
65 APPLICANT: KIMBLE, Anthony J.
66 APPLICANT: Chabon, Rebecca E.
67 APPLICANT: KATSKIS, J. Arthur

```


Date Time: 02/00/02

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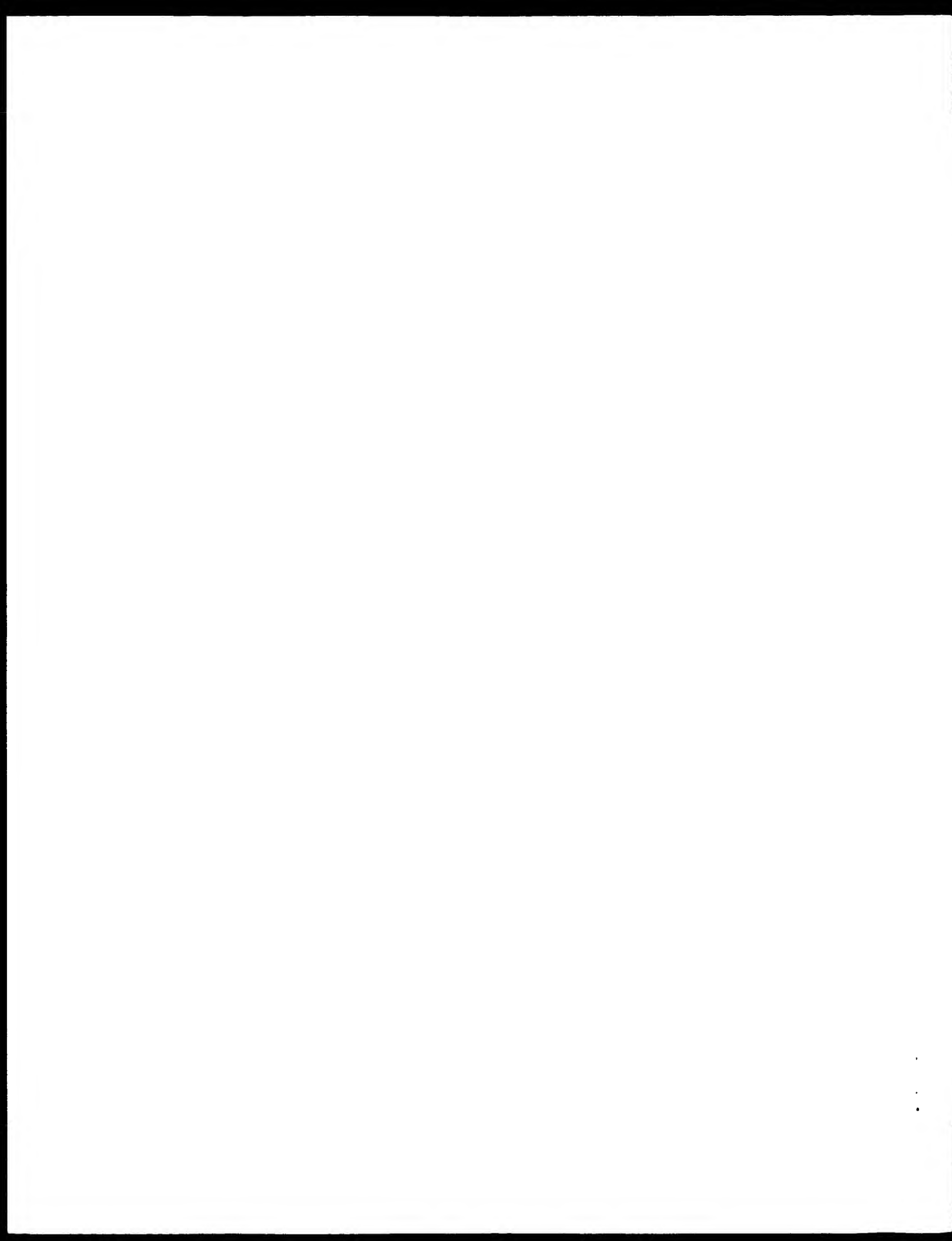
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02/00/02




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1 PRIOR FILING DATE: 1999-11-12
2 PRIOR APPLICATION NUMBER: 6/216,694
3 PRIOR FILING DATE: 1999-11-12
4 PRIOR APPLICATION NUMBER: 6/216,694
5 PRIOR FILING DATE: 1999-12-28
6 PRIOR APPLICATION NUMBER: 6/216,694
7 PRIOR FILING DATE: 1999-11-12
8 PRIOR APPLICATION NUMBER: 6/216,694
9 PRIOR FILING DATE: 1999-12-28
10 PRIOR APPLICATION NUMBER: 6/216,694
11 PRIOR FILING DATE: 2000-01-12
12 PRIOR APPLICATION NUMBER: 6/216,694
13 PRIOR FILING DATE: 2000-02-24
14 PRIOR APPLICATION NUMBER: 6/216,694
15 PRIOR FILING DATE: 2000-03-25
16 NUMBER OF SEQ. ID NOS: 4
17
18 SOFTWARE: FASTSEQ FOR WINDOWS V1.0.4
19 SEQ. ID NO: 444
20 LENGTH: 99
21 TYPE: PRI
22 ORGANISM: Drosophila
23 US-09-614-150-444

```

```

Query Match: 46.1% Score 41; Length 100
Best local Similarity: 61.6% Prod. No. 110002
Matches: 6; Conservative: 1; Mismatch: 4; Gaps: 0

```

```

1 CY 5 CHLAYINGRVSV 17
2
3 ID 15 CHLAYINGRVSV 209
4
5 RESULT 9
6 US-09-614-150-1580
7
8 Sequence 1680, Application US/991415
9
10 GENERAL INFORMATION:
11 APPLICANT: Vortice, L. et al
12 TITLE OF INVENTION: DETECTION KIT, SUCH AS NUCLEOTIDE
13 TITLE OF INVENTION: ARRAYS, FOR DETECTING EXPRESSION OF
14 TITLE OF INVENTION: RIBOSOMAL PROTEINS
15 FILE REFERENCE: 110002
16 CURRENT APPLICATION NUMBER: 02/091415
17 PREPARED FILING DATE: 2000-09-11
18 PRIOR APPLICATION NUMBER: 6/216,694
19 PRIOR FILING DATE: 1999-10-06
20 PRIOR APPLICATION NUMBER: 6/216,694
21 PRIOR FILING DATE: 1999-10-19
22 PRIOR APPLICATION NUMBER: 6/216,694
23 PRIOR FILING DATE: 1999-10-28
24 PRIOR APPLICATION NUMBER: 6/216,694
25 PRIOR FILING DATE: 1999-11-12
26 PRIOR APPLICATION NUMBER: 6/216,694
27 PRIOR FILING DATE: 1999-12-28
28 PRIOR APPLICATION NUMBER: 6/216,694
29 PRIOR FILING DATE: 2000-01-12
30 PRIOR APPLICATION NUMBER: 6/216,694
31 PRIOR FILING DATE: 2000-02-24
32 PRIOR APPLICATION NUMBER: 6/216,694
33 PRIOR FILING DATE: 2000-03-25
34 NUMBER OF SEQ. ID NOS: 4
35
36 SOFTWARE: FASTSEQ FOR WINDOWS V1.0.4
37 SEQ. ID NO: 1580
38 LENGTH: 1589
39 TYPE: PRI
40 ORGANISM: Drosophila
41 US-09-614-150-1580

```

```

Query Match: 46.1% Score 41; Length 100
Best local Similarity: 61.6% Prod. No. 110002
Matches: 6; Conservative: 1; Mismatch: 4; Gaps: 0

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1 CY 5 CHLAYINGRVSV 17
2
3 ID 15 CHLAYINGRVSV 209
4
5 RESULT 9
6 US-09-614-150-1580
7
8 Sequence 1680, Application US/991415
9
10 GENERAL INFORMATION:
11 APPLICANT: Vortice, L. et al
12 TITLE OF INVENTION: DETECTION KIT, SUCH AS NUCLEOTIDE
13 TITLE OF INVENTION: ARRAYS, FOR DETECTING EXPRESSION OF
14 TITLE OF INVENTION: RIBOSOMAL PROTEINS
15 FILE REFERENCE: 110002
16 CURRENT APPLICATION NUMBER: 02/091415
17 PREPARED FILING DATE: 2000-09-11
18 PRIOR APPLICATION NUMBER: 6/216,694
19 PRIOR FILING DATE: 1999-10-06
20 PRIOR APPLICATION NUMBER: 6/216,694
21 PRIOR FILING DATE: 1999-10-19
22 PRIOR APPLICATION NUMBER: 6/216,694
23 PRIOR FILING DATE: 1999-10-28
24 PRIOR APPLICATION NUMBER: 6/216,694
25 PRIOR FILING DATE: 1999-11-12
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31 PRIOR FILING DATE: 2000-02-24
32 PRIOR APPLICATION NUMBER: 6/216,694
33 PRIOR FILING DATE: 2000-03-25
34 NUMBER OF SEQ. ID NOS: 4
35
36 SOFTWARE: FASTSEQ FOR WINDOWS V1.0.4
37 SEQ. ID NO: 1580
38 LENGTH: 1589
39 TYPE: PRI
40 ORGANISM: Drosophila
41 US-09-614-150-1580

```

```

Query Match: 46.1% Score 41; Length 100
Best local Similarity: 61.6% Prod. No. 110002
Matches: 6; Conservative: 1; Mismatch: 4; Gaps: 0

```

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1 CY 5 CHLAYINGRVSV 17
2
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12 TITLE OF INVENTION: DETECTION KIT, SUCH AS NUCLEOTIDE
13 TITLE OF INVENTION: ARRAYS, FOR DETECTING EXPRESSION OF
14 TITLE OF INVENTION: RIBOSOMAL PROTEINS
15 FILE REFERENCE: 110002
16 CURRENT APPLICATION NUMBER: 02/091415
17 PREPARED FILING DATE: 2000-09-11
18 PRIOR APPLICATION NUMBER: 6/216,694
19 PRIOR FILING DATE: 1999-10-06
20 PRIOR APPLICATION NUMBER: 6/216,694
21 PRIOR FILING DATE: 1999-10-19
22 PRIOR APPLICATION NUMBER: 6/216,694
23 PRIOR FILING DATE: 1999-10-28
24 PRIOR APPLICATION NUMBER: 6/216,694
25 PRIOR FILING DATE: 1999-11-12
26 PRIOR APPLICATION NUMBER: 6/216,694
27 PRIOR FILING DATE: 1999-12-28
28 PRIOR APPLICATION NUMBER: 6/216,694
29 PRIOR FILING DATE: 2000-01-12
30 PRIOR APPLICATION NUMBER: 6/216,694
31 PRIOR FILING DATE: 2000-02-24
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33 PRIOR FILING DATE: 2000-03-25
34 NUMBER OF SEQ. ID NOS: 4
35
36 SOFTWARE: FASTSEQ FOR WINDOWS V1.0.4
37 SEQ. ID NO: 1580
38 LENGTH: 1589
39 TYPE: PRI
40 ORGANISM: Drosophila
41 US-09-614-150-1580

```

```

Query Match: 46.1% Score 41; Length 100
Best local Similarity: 61.6% Prod. No. 110002
Matches: 6; Conservative: 1; Mismatch: 4; Gaps: 0

```

```

1 CY 5 CHLAYINGRVSV 17
2
3 ID 15 CHLAYINGRVSV 209
4
5 RESULT 9
6 US-09-614-150-1580
7
8 Sequence 1680, Application US/991415
9
10 GENERAL INFORMATION:
11 APPLICANT: Vortice, L. et al
12 TITLE OF INVENTION: DETECTION KIT, SUCH AS NUCLEOTIDE
13 TITLE OF INVENTION: ARRAYS, FOR DETECTING EXPRESSION OF
14 TITLE OF INVENTION: RIBOSOMAL PROTEINS
15 FILE REFERENCE: 110002
16 CURRENT APPLICATION NUMBER: 02/091415
17 PREPARED FILING DATE: 2000-09-11
18 PRIOR APPLICATION NUMBER: 6/216,694
19 PRIOR FILING DATE: 1999-10-06
20 PRIOR APPLICATION NUMBER: 6/216,694
21 PRIOR FILING DATE: 1999-10-19
22 PRIOR APPLICATION NUMBER: 6/216,694
23 PRIOR FILING DATE: 1999-10-28
24 PRIOR APPLICATION NUMBER: 6/216,694
25 PRIOR FILING DATE: 1999-11-12
26 PRIOR APPLICATION NUMBER: 6/216,694
27 PRIOR FILING DATE: 1999-12-28
28 PRIOR APPLICATION NUMBER: 6/216,694
29 PRIOR FILING DATE: 2000-01-12
30 PRIOR APPLICATION NUMBER: 6/216,694
31 PRIOR FILING DATE: 2000-02-24
32 PRIOR APPLICATION NUMBER: 6/216,694
33 PRIOR FILING DATE: 2000-03-25
34 NUMBER OF SEQ. ID NOS: 4
35
36 SOFTWARE: FASTSEQ FOR WINDOWS V1.0.4
37 SEQ. ID NO: 1580
38 LENGTH: 1589
39 TYPE: PRI
40 ORGANISM: Drosophila
41 US-09-614-150-1580

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Q7 2 HAYIMBOWSV 17

14 1213 HAYIMBOWSV 127

RESULT 14

US-10-015-127-11561

Sequence 5, Application US/1006066

GENERAL INFORMATION:

APPLICANT: BOWEN, Sharon G.

APPLICANT: Bank David &

APPLICANT: Bank David &

TITLE OF INVENTION: HAYIMBOWSV 127

TITLE OF INVENTION: HAYIMBOWSV 127

FILE REFERENCE: HAYIMBOWSV 127

CURRENT FILING DATE: 2001-12-20

PREVIOUS FILING DATE: 2001-12-20

NUMBER OF SEQ ID NOS: 34208

SOFTWARE: Anomax Sequence List and Profile v1.1

SEQ ID NO 42116

LENGTH: 163

TYPE: PR

ORGANISM: Homo sapiens

FEATURE:

OTHER INFORMATION: MAP TO ALLOC 455

OTHER INFORMATION: EXTRACTED FROM SEQUENTIAL 13

OTHER INFORMATION: EXTRACTED FROM SEQUENTIAL 2

OTHER INFORMATION: EXTRACTED FROM SEQUENTIAL 15

US-10-015-127-11561

Query Match 44.9% Score 403 100% Length 163

Best Local Similarity 42.9% Prod. No. 44

Matches 6: Conserved 4: Mismatches 4: Indels 0: Gaps 0:

Q7 113 HAYIMBOWSV 16

14 122 HAYIMBOWSV 145

RESULT 11

US-10-015-127-11561

Sequence 5, Application US/1006127

GENERAL INFORMATION:

APPLICANT: BOWEN, Sharon G.

APPLICANT: Bank David &

APPLICANT: Bank David &

TITLE OF INVENTION: HAYIMBOWSV 127

TITLE OF INVENTION: HAYIMBOWSV 127

FILE REFERENCE: HAYIMBOWSV 127

CURRENT FILING DATE: 2001-12-20

PREVIOUS FILING DATE: 2001-12-20

NUMBER OF SEQ ID NOS: 1457

SOFTWARE: Anomax Sequence List and Profile v1.1

SEQ ID NO 11090

LENGTH: 163

TYPE: PR

ORGANISM: Sphingomonas elodea

US-10-015-127-11090

Query Match 44.9% Score 403 100% Length 163

Best Local Similarity 42.9% Prod. No. 44

Matches 6: Conserved 4: Mismatches 4: Indels 0: Gaps 0:

Q7 5 HAYIMBOWSV 16

14 272 HAYIMBOWSV 204

RESULT 12

US-09-647-522-5

Sequence 5, Application US/09647522

GENERAL INFORMATION:

APPLICANT: NAKAJIMA, Hiroshi

APPLICANT: NAKAJIMA, Hiroshi

TITLE OF INVENTION: ACTIVE PEPTIDE ANTI-INFLAM

TITLE OF INVENTION: ACTIVE PEPTIDE ANTI-INFLAM

FILE REFERENCE: NAKAJIMA, Hiroshi

CURRENT FILING DATE: 2001-12-20

PREVIOUS FILING DATE: 2001-12-20

NUMBER OF SEQ ID NOS: 107

SOFTWARE: Anomax Sequence List and Profile v1.1

SEQ ID NO 5

LENGTH: 450

TYPE: PR

ORGANISM: Sphingomonas elodea

US-09-647-522-5

Query Match 44.9% Score 403 100% Length 163

Best Local Similarity 42.9% Prod. No. 44

Matches 6: Conserved 4: Mismatches 4: Indels 0: Gaps 0:

Q7 2 HAYIMBOWSV 16

14 122 HAYIMBOWSV 145

RESULT 14

US-10-015-127-11561

Sequence 5, Application US/1006127

GENERAL INFORMATION:

APPLICANT: BOWEN, Sharon G.

APPLICANT: Bank David &

APPLICANT: Bank David &

TITLE OF INVENTION: HAYIMBOWSV 127

TITLE OF INVENTION: HAYIMBOWSV 127

FILE REFERENCE: HAYIMBOWSV 127

CURRENT FILING DATE: 2001-12-20

PREVIOUS FILING DATE: 2001-12-20

NUMBER OF SEQ ID NOS: 1457

SOFTWARE: Anomax Sequence List and Profile v1.1

SEQ ID NO 11561

LENGTH: 163

TYPE: PR

ORGANISM: Sphingomonas elodea

US-10-015-127-11561

Query Match 44.9% Score 403 100% Length 163

Best Local Similarity 42.9% Prod. No. 44

Matches 6: Conserved 4: Mismatches 4: Indels 0: Gaps 0:

Q7 6 GLAY 16

14 104 GLAY 119

RESULT 14

US-10-015-127-11090

Sequence 5, Application US/1006127

GENERAL INFORMATION:

APPLICANT: BOWEN, Sharon G.

APPLICANT: Bank David &

APPLICANT: Bank David &

TITLE OF INVENTION: HAYIMBOWSV 127

TITLE OF INVENTION: HAYIMBOWSV 127

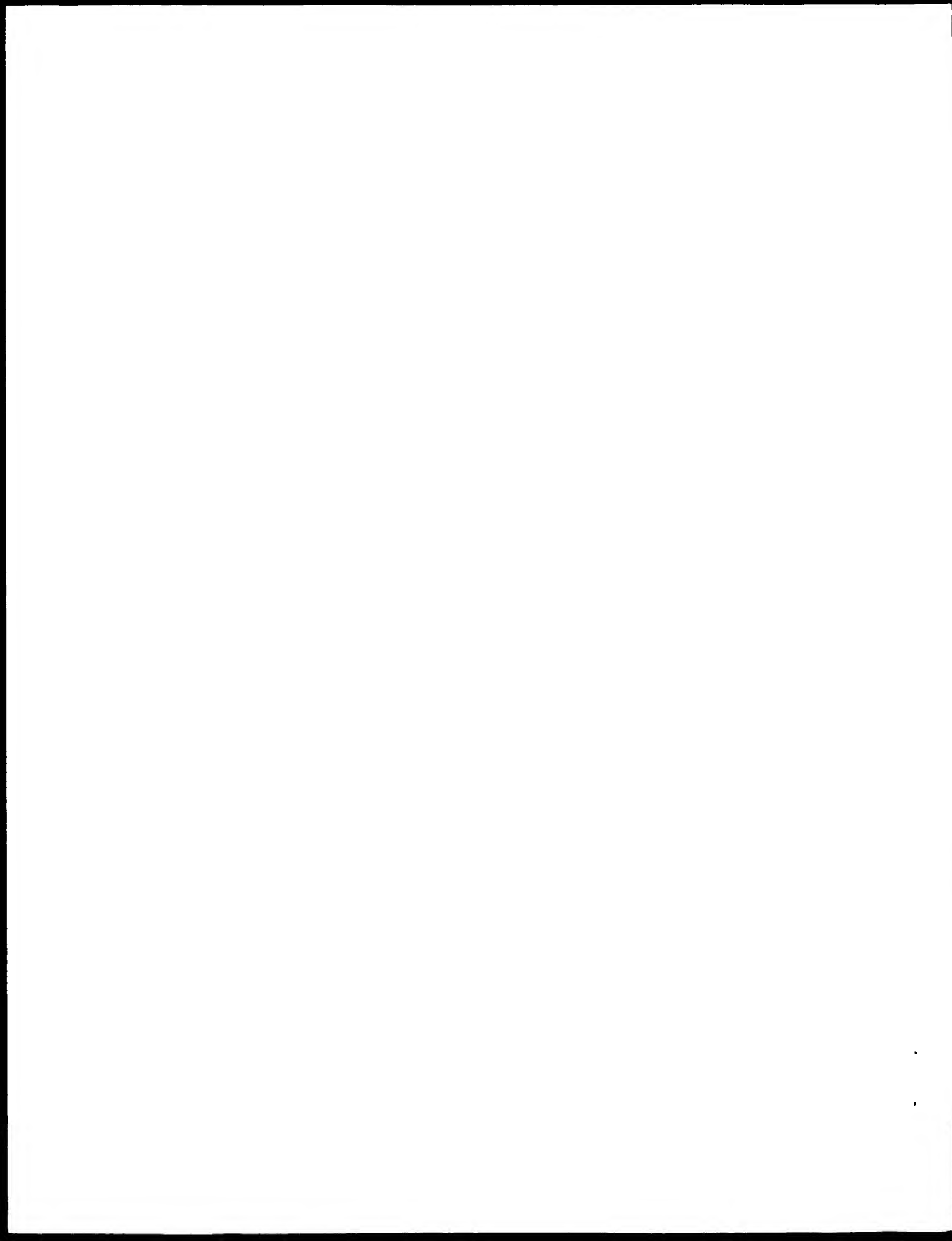
FILE REFERENCE: HAYIMBOWSV 127

CURRENT FILING DATE: 2001-12-20

PREVIOUS FILING DATE: 2001-12-20

NUMBER OF SEQ ID NOS: 1457

SOFTWARE: Anomax Sequence List and Profile v1.1



97 6 01AYIM0000SV 17
11 11 11
12 132 3WAYC 0000SL 143

Search completed: April 4, 2002, 16:06:58
File size: 318,800

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